OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state.

When using the data, please note the following:

1) Trade employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2) The data reflect full and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3) Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4) To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupation estimate; two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5) The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

6) Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	19,803	6.4	23,945	6,471
Financial Managers	350	.1	408	83
Personnel, Training, & Labor Relation Mgrs.	179	.1	205	36
Purchasing Managers	1,086	.3	1,260	249
Marketing, Advertising, & Public Rel. Mgrs.	961	.3	1,132	280
Administrative Services Managers	71	.0	77	9
Transportation, Communications, & Utilities Operations Managers	182	.1	206	27
Food Service & Lodging Managers	3,347	1.1	4,301	1,484
General Managers & Top Executives	12,155	3.9	14,625	3,860
All Other Managers & Administrators	1,472	.5	1,731	443
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	8,642	2.8	10,296	2,543
Management Support Occupations	3,044	1.0	3,534	815
Accountants & Auditors	843	.3	984	229
Budget Analysts	10	.0	11	1
All Other Financial Specialists	52	.0	56	6
Wholesale & Retail Buyers, Exc. Farm Products	1,227	.4	1,434	360
Purchasing Agents & Buyers, Farm Products	198	.1	229	44
Purchasing Agents, Exc. Wholesale, Retail, & Farm	121	.0	137	24
Personnel, Training, & Labor Rel. Specialists	187	.1	212	38
Cost Estimators	95	.0	111	34
All Other Management Support Workers	311	.1	360	79
Engineers & Related Occupations	1,218	.4	1,450	289
Electrical & Electronic Engineers	147	.1	175	35
Mechanical Engineers	46	.0	52	7
All Other Engineers	17	.0	19	2
Electrical/Electronic Engineering Technicians	895	.3	1,076	229
Mechanical Engineering Techs.	35	.0	39	4
Drafters	76	.0	87	12
All Other Engineering & Related Technicians	2	.0	2	0
Natural Scientists & Related Workers	24	.0	25	1
Physical Scientists	12	.0	13	1
All Other Life Scientists	2	.0	2	0
Physical & Life Science Technicians & Technologists	10	.0	10	0
Computer, Math, Research, & Related Occupations	798	.3	930	160
Systems Analysts, Electronic Data Processing	369	.1	435	79
Computer Programmers	385	.1	447	76
Computer Programmer Aides	44	.0	48	5
Health Practitioners, Technicians, & Related	1,577	.5	1,948	688
Opticians, Dispensing, & Measuring	300	.1	379	122
Pharmacists	1,195	.4	1,472	536
All Other Health Professionals, Paraprofessionals, & Technicians	82	.0	97	30
Writers, Artists, Athletes, & Related	1,319	.4	1,581	376
Writers & Editors	39	.0	43	6
Photographers	10	.0	11	1
Artists & Related Workers	144	.0	164	37
Designers, Exc. Interior Designers	392	.1	473	104
Interior Designers	341	.1	420	92
Merchandise Displayers & Window Trimmers	205	.1	229	57
Musicians, Instrumental	188	.1	241	79
Other Professional, Paraprofessional, & Technical	662	.2	828	214

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
SALES & RELATED OCCUPATIONS	104,002	33.6	124,281	35,158
First Line Supervisors & Manager/Supervisors	10,873	3.5	12,967	3,572
Merchandise, Products, & Other Sales-Related Occupations	93,129	30.1	111,314	31,586
Sales Engineers	202	.1	239	44
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	3,141	1.0	3,766	1,026
All Other Sales Representatives, Exc. Retail	11,988	3.9	14,439	4,424
Salespersons, Retail	43,177	13.9	51,389	13,707
Salespersons, Parts	3,343	1.1	3,942	974
Counter & Rental Clerks	905	.3	1,075	336
Stock Clerks, Sales Floor	8,091	2.6	9,659	2,032
Cashiers	20,558	6.6	24,774	8,426
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	631	.2	769	261
Demonstrators, Promoters, & Models	342	.1	402	111
All Other Sales & Related Workers	751	.2	860	205
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	33,835	10.9	40,003	11,231
First Line Supervisors & Manager/Supervisors	2,302	.7	2,716	664
Industry-Specific Clerical & Administrative Support	1,545	.5	1,793	510
Credit Authorizers	176	.1	205	60
Credit Managers	217	.1	250	70
Adjustment Clerks	803	.2	926	274
Bill & Account Collectors	349	.1	412	106
Selected Secretarial & General Office Occupations	17,286	5.6	20,502	6,529
Secretaries	3,056	1.0	3,651	1,233
Stenographers	6	.0	6	0
Receptionists & Information Clerks	519	.2	604	173
Typists	138	.0	159	49
Typists, Word Processing Equipment	41	.0	45	5
Personnel Clerks, Exc. Payroll & Timekeeping	173	.1	196	65
Correspondence Clerks	11	.0	12	2
File Clerks	103	.0	117	37
Order Clerks - Materials, Merch., & Service	1,800	.6	2,124	677
Bookkeeping, Accounting, & Auditing Clerks	6,261	2.0	7,481	2,367
Payroll & Timekeeping Clerks	243	.1	276	51
Billing, Cost, & Rate Clerks	766	.2	899	270
General Office Clerks	4,169	1.3	4,932	1,594
Electronic Data Processing & Other Office Machine Occupations	1,550	.5	1,804	391
Billing, Posting, & Calculating Machine Opers.	272	.1	316	85
Computer Operators, Exc. Peripheral Equipment	314	.1	358	62
Peripheral EDP Equipment Operators	147	.0	173	57
Data Entry Keyers, Exc. Composing	802	.3	941	185
All Other Office Machine Operators	15	.0	16	2
Communications, Mail, & Message Distributing Occupations	638	.2	733	228
Switchboard Operators	547	.2	630	206
Mail Clerks, Exc. Mail Machine Operators & Postal Service	91	.0	103	22
Material Distribution & Recording Occupations	10,186	3.3	12,075	2,583
Dispatchers - Excluding Police, Fire, & Ambulance	297	.1	346	66
Weighers, Measurers, Checkers, & Samplers-Recordkeeping	70	.0	80	14
Marking Clerks	675	.2	782	240
Stock Clerks - Stockroom, Warehouse, or Yard	3,906	1.3	4,636	1,121
Order Fillers, Wholesale & Retail Sales	2,292	.7	2,750	582

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Traffic, Shipping, & Receiving Clerks	2,765	.9	3,274	788
All Other Material Recording/Scheduling/Dist.	181	.1	207	42
All Other Clerical & Administrative Support Occupations	328	.1	380	56
SERVICE OCCUPATIONS	91,919	29.7	117,081	42,121
First Line Supers. & Mgrs./Supers. - Service	3,580	1.1	4,542	1,692
Protective Service Occupations	841	.3	1,017	216
Detectives & Investigators, Exc. Public	229	.1	266	47
Guards & Watch Guards	612	.2	751	169
Food & Beverage Service Occupations	83,530	27.0	106,799	38,770
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	2,534	.8	3,265	1,313
Bartenders	5,233	1.7	6,760	2,316
Waiters & Waitresses	20,761	6.7	26,558	10,589
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	4,748	1.5	6,123	1,650
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	4,468	1.4	5,670	2,264
Bakers, Bread & Pastry	1,589	.5	1,958	634
Butchers & Meat Cutters	1,480	.5	1,763	428
Cooks, Restaurant	6,104	2.0	7,736	2,598
Cooks, Institution or Cafeteria	867	.3	1,111	378
Cooks, Specialty Fast Food	3,710	1.2	4,762	1,640
Cooks, Short Order	1,581	.5	2,005	611
Food Preparation Workers	8,633	2.8	11,025	4,003
Combined Food Preparation & Service Workers	21,122	6.8	27,208	10,066
All Other Food Service Workers	700	.2	855	280
Health Service & Related Occupations	318	.1	389	140
Pharmacy Assistants	318	.1	389	140
Cleaning & Building Service, Exc. Private Households	3,151	1.0	3,754	1,118
Maids & Housekeeping Cleaners	178	.1	211	70
Janitors & Cleaners, Exc. Maids & Housekeeping	2,872	.9	3,420	1,012
All Other Cleaning/Building Service, Exc. Private House	101	.0	123	36
Personal Service Occupations	267	.1	301	102
Hairdressers, Hairstylists, & Cosmetologists	267	.1	301	102
All Other Service Occupations	232	.1	279	83
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1,180	.4	1,440	477
Nursery Workers	463	.1	569	192
Gardeners & Groundskeepers, Exc. Farm	661	.2	807	272
All Other Agri., Forestry, Fishing, & Related	56	.0	64	13
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	50,201	16.2	59,780	13,972
First Line Supervisors & Manager/Supervisors-Production, Construction, Maintenance, & Related	2,319	.7	2,720	705
First Line Managers/Supervisors - Mechanics/Installers/Repairers	1,588	.5	1,860	454
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	731	.2	860	251
Inspectors & Related Occupations	122	.0	136	23
Production Inspectors, Testers, & Graders	69	.0	76	10
All Other Inspectors, Testers, & Related	53	.0	60	13

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Mechanics, Installers, & Repairers	14,180	4.6	16,859	3,731
Machinery Maintenance Mechanics	83	.0	95	13
Maintenance Repairers, General Utility	1,132	.4	1,328	272
Automotive Mechanics	4,999	1.6	5,965	1,349
Automotive Body & Related Repairers	763	.2	911	212
Motorcycle Repairers	148	.0	174	32
Bus & Truck Mechs., & Diesel Eng. Specialists	797	.3	933	190
Mobile Heavy Equip. Mechanics, Exc. Engines	586	.2	694	137
Farm Equipment Mechanics	244	.1	282	52
Aircraft Mechanics	82	.0	100	22
Small Engine Specialists	120	.0	135	22
Data Processing Equipment Repairers	405	.1	496	111
Electronic Home Entertainment Equip. Repairers	337	.1	415	97
Electric Home Appliance & Power Tool Repairers	343	.1	393	80
Electrical Installers & Repairers, Transportation Equipment	151	.0	174	32
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	442	.1	531	125
Watchmakers	24	.0	30	7
Musical Instrument Repairers & Tuners	43	.0	53	13
Office Machine & Cash Register Servicers	774	.3	920	214
Installers/Repairers - Manufactured Buildings	384	.1	466	111
Gas Appliance Repairers	42	.0	46	5
Coin & Vending Machine Servicers & Repairers	130	.0	159	38
Bicycle Repairers	119	.0	146	37
Tire Repairers & Changers	1,060	.3	1,249	297
All Other Mechanics, Installers, & Repairers	972	.3	1,164	263
Construction Trades & Extractive Occupations, Exc. Material Moving	1,314	.4	1,562	332
Carpenters	339	.1	394	91
Electricians	18	.0	20	2
Painters & Paperhangers - Construction & Maintenance	17	.0	17	0
Plumbers, Pipefitters, & Steamfitters	38	.0	43	6
Carpet Installers	186	.1	221	41
Floor Layers, Exc. Carpet, Wood, & Hard Tiles	139	.0	169	34
Glaziers	268	.1	317	69
All Other Construction Trades Workers	297	.1	368	88
All Other Construction & Extraction Workers, Exc. Helpers	12	.0	13	1
Precision Production Occupations	3,106	1.0	3,739	917
Machinists	417	.1	484	102
Jewelers & Silversmiths	274	.1	339	112
All Other Precision Metal Workers	8	.0	10	2
Wood Machinists	128	.0	157	41
Cabinetmakers & Bench Carpenters	820	.3	1,009	253
Furniture Finishers	249	.1	304	63
Custom Tailors & Sewers	333	.1	378	95
Upholsterers	42	.0	48	9
All Other Precision Workers	835	.3	1,010	240
Machine Setters, Set-up Operators, Operators, & Tenders	1,226	.4	1,490	365
Sewing Machine Operators, Garment	77	.0	85	15
Sewing Machine Operators, Non-Garment	217	.1	269	80
Painters, Transportation Equipment	114	.0	134	30
Packaging & Filling Machine Opers. & Tenders	251	.1	300	74
All Machine Setters & Set-Up Operators	46	.0	51	7
All Other Machine Operators & Tenders	541	.2	651	159

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Hand Working Occupations, Inc. Assemlbers/Fabricators	1,633	.5	1,915	433
Welders & Cutters	276	.1	324	66
Assemblers/Fabricators - Exc. Machine, Electrical, & Precision	1,086	.3	1,278	305
All Other Hand Workers	271	.1	313	62
Plant & System Occupations	20	.0	22	3
Transportation & Material Moving Machine & Vehicle Operators	12,509	4.0	14,861	3,267
Truck Drivers, Heavy or Tractor Trailer	2,608	.8	3,076	626
Truck Drivers, Light - Incl. Delivery & Route	4,751	1.5	5,695	1,235
Driving Sales Workers	1,005	.3	1,210	263
Service Station Attendants	3,019	1.0	3,551	866
All Other Transportation & Related Workers	102	.0	123	30
Hoist & Winch Operators	49	.0	58	12
Crane & Tower Operators	26	.0	28	2
Industrial Truck & Tractor Operators	522	.2	614	118
Conveyor Operators & Tenders	214	.1	253	60
All Other Material Moving Equipment Operators	213	.1	253	55
Helpers, Laborers, & Material Movers - Excluding Agriculture & Forestry Laborers	13,752	4.4	16,476	4,196
Mechanic & Repairer Helpers	668	.2	791	186
Freight, Stock, & Material Movers, Hand	6,750	2.2	8,094	2,079
Hand Packers & Equipment Cleaners	3,027	1.0	3,629	935
Vehicle Washers & Equipment Cleaners	1,184	.3	1,413	351
All Other Helpers & Laborers	2,123	.7	2,549	645
TOTAL OF ALL OCCUPATIONS	309,582	100.0	376,826	111,973

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS

All Other Agri., Forestry, Fishing, & Related
 Graders & Sorters, Agricultural Products

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
 Camera & Photographic Equipment Repairers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING (CONTINUED)

All Other Construction & Extraction Workers, Exc. Helpers
 Floor Sanding Machine Operators

All Other Precision Metal Workers
 Sheet Metal Workers

All Other Hand Workers
 Carpet Cutters, Diagrammers, & Seamers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

APACHE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	90	97	7	4	11
Purchasing Managers	8	8	0	0	0
General Managers & Top Executives	67	73	6	3	9
All Other Managers & Administrators	15	16	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	22	23	1	2	3
Accountants & Auditors	14	14	0	1	1
Pharmacists	8	9	1	1	2
SALES & RELATED OCCUPATIONS	701	781	80	87	167
First Line Supervisors & Managers - Sales	65	70	5	6	11
Sales Representatives, Exc. Retail	7	7	0	1	1
Salespersons, Retail	343	381	38	39	77
Salespersons, Parts	8	8	0	0	0
Stock Clerks, Sales Floor	66	75	9	3	12
Cashiers	202	229	27	37	64
All Other Sales & Related Workers	10	11	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	71	76	5	6	11
Secretaries	2	2	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	16	16	0	0	0
General Office Clerks	28	31	3	5	8
All Office Machine Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	18	20	2	1	3
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical Administrative Support	2	2	0	0	0
SERVICE OCCUPATIONS	247	270	23	31	54
First Line Supers. & Mgrs./Supers. - Service	13	13	0	2	2
Guards & Watch Guards	8	9	1	0	1
Waiters & Waitresses	57	65	8	12	20
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	29	33	4	6	10
Butchers & Meat Cutters	20	22	2	1	3
Cooks, Restaurant	22	24	2	1	3
Cooks, Specialty Fast Food	12	13	1	1	2
Cooks, Short Order	15	17	2	1	3
Food Preparation Workers	16	17	1	2	3
Combined Food Preparation & Service Workers	20	21	1	2	3
All Other Food Service Workers	10	10	0	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	13	13	0	0	0
All Other Cleaning/Building Service, Exc. Private House	12	13	1	2	3
MAINTENANCE & PRODUCTION WORKERS	190	205	15	9	24
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	8	8	0	0	0
Maintenance Repairers, General Utility	5	5	0	0	0
Automotive Mechanics	20	20	0	0	0
All Other Mechanics, Installers, & Repairers	9	10	1	0	1
Jewelers & Silversmiths	12	13	1	1	2
All Other Precision Workers	3	3	0	0	0
Truck Drivers, Heavy or Tractor Trailer	35	39	4	2	6
Truck Drivers, Light - Incl. Delivery & Route	22	25	3	1	4
Service Station Attendants	30	31	1	2	3
All Freight & Material Movers, Hand	22	25	3	2	5
Hand Packers & Packagers	21	23	2	1	3
All Other Helpers & Laborers	3	3	0	0	0
TOTAL OF ALL OCCUPATIONS	1,321	1,452	131	139	270

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

APACHE COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SERVICE OCCUPATIONS

All Other Food Service Workers
 Bartenders

All Other Cleaning/Building Service, Exc.
  Private House
 Maids & Housekeeping Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCHISE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	330	355	25	26	51
Purchasing Managers	17	18	1	1	2
Marketing, Advertising, & Public Rel. Mgrs.	18	18	0	1	1
Food Service & Lodging Managers	43	49	6	6	12
General Managers & Top Executives	217	234	17	15	32
All Other Managers & Administrators	35	36	1	3	4
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	125	136	11	10	21
Accountants & Auditors	12	12	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	35	39	4	4	8
All Other Management Support Workers	9	9	0	0	0
All Engineering & Related Technicians	15	17	2	1	3
Pharmacists	21	24	3	4	7
All Other Professional, Paraprofessional, & Technical Workers	33	35	2	1	3
SALES & RELATED OCCUPATIONS	1,657	1,879	222	209	431
First Line Supervisors & Managers - Sales	198	217	24	21	45
Sales Representatives, Exc. Retail	44	47	3	5	8
Salespersons, Retail	638	729	91	70	161
Salespersons, Parts	72	75	3	7	10
Stock Clerks, Sales Floor	213	242	29	10	39
Cashiers	481	553	72	96	168
All Other Sales & Related Workers	8	8	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	378	400	22	39	61
First Line Supers.-Clerical & Admin. Support	28	29	1	1	2
Adjustment Clerks	29	33	4	5	9
Secretaries	29	30	1	3	4
Receptionists & Information Clerks	5	5	0	0	0
File Clerks	0	0	0	1	1
Order Clerks - Materials, Merch., & Service	16	17	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	110	115	5	14	19
Billing, Cost, & Rate Clerks	5	5	0	0	0
General Office Clerks	71	76	5	10	15
All Office Machine Operators	6	6	0	0	0
All Communication Equipment Operators	2	2	0	0	0
Marking Clerks	21	24	3	4	7
Stock Clerks - Stockroom, Warehouse, or Yard	16	17	1	0	1
Traffic, Shipping, & Receiving Clerks	17	18	1	0	1
All Other Material Recording/Scheduling/Dist.	8	8	0	0	0
All Other Clerical & Administrative Support	15	15	0	0	0
SERVICE OCCUPATIONS	1,670	1,908	238	293	531
First Line Supers. & Mgrs./Supers. - Service	73	82	9	14	23
All Protective Service Workers	3	3	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	7	8	1	1	2
Bartenders	79	91	12	11	23
Waiters & Waitresses	303	348	45	67	112
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	14	16	2	0	2
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	94	107	13	21	34
Butchers & Meat Cutters	25	28	3	2	5
Cooks, Restaurant	135	154	19	19	38
Cooks, Institution or Cafeteria	50	57	7	7	14
Cooks, Specialty Fast Food	54	62	8	8	16
Cooks, Short Order	28	31	3	2	5
Food Preparation Workers	178	205	27	31	58
Combined Food Preparation & Service Workers	542	624	82	98	180
All Other Food Service Workers	6	6	0	1	1
All Health Service Workers	3	3	0	0	0
Maids & Housekeeping Cleaners	5	5	0	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	71	78	7	10	17

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCHISE COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	5	5	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	662	719	57	42	99
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	16	16	0	0	0
All First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
Maintenance Repairers, General Utility	16	16	0	1	1
Automotive Mechanics	81	85	4	4	8
Automotive Body & Related Repairers	23	24	1	2	3
Electronic Home Entertainment Equip. Repairers	5	5	0	0	0
All Other Electrical Mechanics/Installers/Repairer	8	8	0	0	0
All Other Mechanics, Installers, & Repairers	22	23	1	0	1
Plumbers, Pipefitters, & Steamfitters	8	9	1	0	1
Glaziers	12	14	2	1	3
All Other Construction Trades Workers	8	9	1		1
Machinists	9	9	0	0	0
Cabinetmakers & Bench Carpenters	28	33	5	2	7
All Precision Workers	10	11	1	0	1
All Machine Operators & Tenders	10	11	1	0	1
All Hand Workers	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	17	17	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	43	45	2	0	2
Service Station Attendants	47	49	2	5	7
All Material Moving Equipment Operators	16	17	1	0	1
Mechanic & Repairer Helpers	13	13	0	1	1
Freight, Stock, & Material Movers, Hand	205	234	29	21	50
Hand Packers & Packagers	22	25	3	2	5
Vehicle Washers & Equipment Cleaners	17	17	0	1	1
All Other Helpers & Laborers	24	27	3	2	5
TOTAL OF ALL OCCUPATIONS	4,827	5,402	575	619	1,194

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineering & Related Technicians
  Drafters

All Other Professional, Paraprofessional, & Technical Workers
  Designers, Exc. Interior Designers

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
  Demonstrators, Promoters, & Models

SERVICE OCCUPATIONS

All Other Food Service Workers
  Bakers, Bread & Pastry

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
  Electric Home Appliance & Power Tool Repairers

All Mechanics, Installers, & Repairers
  Motorcycle Repairers
  Office Machine & Cash Register Servicers

All Material Moving Equipment Operators
  Hoist & Winch Operators

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCONINO COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	509	560	51	49	100
Financial Managers	6	6	0	0	0
Purchasing Managers	21	22	1	0	1
Marketing, Advertising, Public Rel. Mgrs.	10	11	1	1	2
Food Service & Lodging Managers	119	137	18	18	36
General Managers & Top Executives	313	342	29	26	55
All Other Managers & Administrators	40	42	2	4	6
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	88	95	7	6	13
Accountants & Auditors	17	17	0	0	0
All Other Financial Specialists	2	2	1	1	2
Wholesale & Retail Buyers, Exc. Farm Products	11	12	3	4	7
All Other Management Support Workers	11	11	0	0	0
Pharmacists	21	24	3	4	7
Designers, Exc. Interior Designers	17	20	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	9	9	0	0	0
SALES & RELATED OCCUPATIONS	2,299	2,606	307	309	616
First Line Supervisors & Managers - Sales	273	306	33	31	64
Sales Representatives, Exc. Retail	62	68	6	6	12
Counter & Rental Clerks	925	1,061	132	106	238
Salespersons, Parts	103	108	5	11	16
Stock Clerks, Sales Floor	171	195	24	8	32
Cashiers	746	853	107	147	254
All Other Sales & Related Workers	15	15	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	579	627	48	60	108
First Line Supers.-Clerical & Admin. Support	36	37	1	1	2
Adjustment Clerks	15	16	1	2	3
Secretaries	30	31	1	3	4
Receptionists & Information Clerks	11	11	0	1	1
Order Clerks - Materials, Merch., & Service	19	21	2	3	5
Bookkeeping, Accounting, & Auditing Clerks	198	219	21	29	50
Payroll & Timekeeping Clerks	6	6	0	0	0
Billing, Cost & Rate Clerks	6	6	0	0	0
General Office Clerks	41	44	3	6	9
Computer Operators, Exc. Peripheral Equipment	6	6	0	0	0
Data Entry Keyers, Exc. Composing	8	9	1	0	1
All Other Office Machine Operators	1	1	0	0	0
All Communication Equipment Operators	5	5	0	0	0
Marking Clerks	51	58	7	9	16
Stock Clerks - Stockroom, Warehouse, or Yard	71	76	5	2	7
Order Fillers, Wholesale & Retail Sales	27	29	2	1	3
Traffic, Shipping, & Receiving Clerks	27	30	3	1	4
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	25	26	1	2	3
SERVICE OCCUPATIONS	3,189	3,662	473	573	1,046
First Line Supers. & Mgrs./Supers. - Service	99	113	14	19	33
All Protective Service Workers	3	3	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	95	109	14	21	35
Bartenders	50	57	7	7	14
Waiters & Waitresses	900	1,038	138	202	340
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	155	178	23	8	31
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	174	200	26	39	65
Bakers, Bread & Pastry	35	38	3	5	8
Butchers & Meat Cutters	55	61	6	3	9
Cooks, Restaurant	332	383	51	51	102
Cooks, Institution or Cafeteria	40	45	5	5	10
Cooks, Specialty Fast Food	43	49	6	6	12

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCONINO COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Cooks, Short Order	93	107	14	11	25
Food Preparation Workers	573	661	88	104	192
Combined Food Preparation & Service Workers	454	524	70	81	151
All Other Food Service Workers	11	12	1	2	3
All Health Service Workers	4	4	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	70	77	7	9	16
All Other Service Workers	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	969	1,047	78	62	140
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	23	23	0	0	0
All First Line Managers/Supervisors - Maintenance/Production/Construction	6	6	0	0	0
Maintenance Repairers, General Utility	26	28	2	1	3
Automotive Mechanics	176	183	7	12	19
Automotive Body & Related Repairers	17	17	0	1	1
Motorcycle Repairers	6	6	0	0	0
Bus & Truck Mechanics, & Diesel Eng. Specialists	7	7	0	0	0
All Electrical Mechs./Installers/Repairers	9	9	0	0	0
Office Machine & Cash Register Servicers	22	24	2	1	3
Coin & Vending Machine Servicers & Repairers	9	10	1	0	1
Tire Repairers & Changers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	32	33	1	0	1
Carpenters	7	7	0	0	0
Plumbers, Pipefitters, & Steamfitters	8	9	1	0	1
Glaziers	5	5	0	0	0
Cabinetmakers & Bench Carpenters	6	7	1	0	1
All Precision Textile & Apparel Workers	2	2	0	0	0
All Other Precision Workers	4	4	0	0	0
All Machine Operators & Tenders	2	2	0	0	0
All Hand Workers	5	5	0	0	0
Truck Drivers, Heavy or Tractor Trailer	35	37	2	0	2
Truck Drivers, Light - Incl. Delivery & Route	135	150	15	4	19
All Other Motor Vehicle Operators	8	9	1	0	1
Service Station Attendants	129	137	8	14	22
All Transportation & Moving Equip. Operators	1	1	0	0	0
All Material Moving Equipment Operators	18	20	2	1	3
Mechanic & Repairer Helpers	14	14	0	1	1
Freight, Stock, & Material Movers, Hand	145	168	23	16	39
Hand Packers & Packagers	61	71	10	7	17
Vehicle Washers & Equipment Cleaners	44	46	2	4	6
All Other Helpers & Laborers	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	7,633	8,597	964	1,059	2,023

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
Sales Representatives, Scientific & Related Products & Services, Exc. Retail

CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical Administrative Support
Credit Authorizers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Electrical Mechs./Installers/Repairers
Electric Home Appliance & Power Tool Repairers

All Other Mechanics, Installers, & Repairers
Mobile Heavy Equip. Mechanics, Exc. Engines

All Other Motor Vehicle Operators
Driving Sales Workers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GILA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	102	106	4	5	9
General Managers & Top Executives	91	94	3	4	7
All Other Managers & Administrators	11	12	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	38	42	4	5	9
Accountants & Auditors	13	14	1	1	2
All Other Management Support Workers	14	1	0	0	0
Opticians, Dispensing & Measuring	10	16	2	0	2
Pharmacists	0	11	1	2	3
SALES & RELATED OCCUPATIONS	696	782	86	80	166
First Line Supervisors & Managers - Sales	45	50	5	4	9
Sales Representatives, Exc. Retail	11	11	0	1	1
Salespersons, Retail	283	319	36	28	64
Salespersons, Parts	37	38	1	3	4
Counter & Rental Clerks	13	13	0	2	2
Stock Clerks, Sales Floor	104	118	14	4	18
Cashiers	203	233	30	38	68
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	117	120	3	6	9
First Line Supers.-Clerical & Admin. Support	14	14	0	0	0
Secretaries	16	17	1	2	3
Bookkeeping, Accounting, & Auditing Clerks	43	44	1	2	3
General Office Clerks	19	19	0	2	2
All Office Machine Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	8	9	1	0	1
Traffic, Shipping, & Receiving Clerks	7	7	0	0	0
All Other Clerical & Administrative Support	7	7	0	0	0
SERVICE OCCUPATIONS	598	681	83	107	190
First Line Supers. & Mgrs./Supers. - Service	59	67	8	11	19
Waiters & Waitresses	181	208	27	40	67
Bakers, Bread & Pastry	35	39	4	5	9
Cooks, Restaurant	61	70	9	9	18
Cooks, Specialty Fast Food	53	61	8	8	16
Combined Food Preparation & Service Workers	121	139	18	21	39
All Other Food Service Workers	24	25	1	3	4
All Health Service Workers	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	36	40	4	5	9
All Other Service Workers	26	30	4	5	9
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	235	251	16	10	26
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	6	6	0	0	0
Maintenance Repairers, General Utility	9	9	0	0	0
Automotive Mechanics	30	30	0	1	1
All Other Mechanics, Installers, & Repairers	11	11	0	1	1
All Construction Trades Workers	14	15	1	0	1
All Precision Woodworkers	2	2	0	0	0
All Other Precision Workers	9	10	1	0	1
All Machine Operators & Tenders	7	7	0	0	0
Truck Drivers, Heavy or Tractor Trailer	14	15	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	21	23	2	0	2
Service Station Attendants	26	27	1	2	3
Industrial Truck & Tractor Operators	10	11	1	0	1
Freight, Stock, & Material Movers, Hand	50	58	8	5	13
Hand Packers and Packagers	9	10	1	1	2
Vehicle Washers & Equipment Cleaners	10	10	0	0	0
All Other Helpers & Laborers	7	7	0	0	0
TOTAL OF ALL OCCUPATIONS	1,787	1,983	196	213	409

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GILA COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

- All Other Managers & Administrators
  - Food Service & Lodging Managers

SERVICE OCCUPATIONS

- All Other Food Service Workers
  - Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria
  - Butchers & Meat Cutters

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Mechanics, Installers, & Repairers
  - Automotive Body & Related Repairers

- All Other Helpers & Laborers
  - Mechanic & Repairer Helpers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GRAHAM COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JO OPENINGS 1985-198
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	74	77	3	2	5
Marketing, Advertising, & Public Rel. Mgrs.	5	5	0	0	0
Food Service & Lodging Managers	8	9	1	1	2
General Managers & Top Executives	51	53	2	1	3
All Other Managers & Administrators	10	10	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	25	26	1	1	2
All Financial Specialists	3	3	0	0	0
All Other Management Support Workers	4	4	0	0	0
All Physical & Life Science Techs.	2	2	0	0	0
All Legal Assistants/Techs. Exc. Clerical	2	2	0	0	0
Pharmacists	8	9	1	1	2
Designers, Exc. Interior Designers	5	5	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	513	570	57	53	110
First Line Supervisors & Managers - Sales	63	67	4	4	8
Sales Representatives, Exc. Retail	6	6	0	0	0
Salespersons, Retail	198	222	24	15	39
Salespersons, Parts	28	28	0	2	2
Stock Clerks, Sales Floor	70	80	10	3	13
Cashiers	146	165	19	29	48
All Other Sales & Related Workers	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	85	87	2	3	5
First Line Supers.-Clerical & Admin. Support	5	5	0	0	0
Secretaries	6	6	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	24	25	1	1	2
General Office Clerks	26	26	0	1	1
All Office Machine Operators	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	5	5	0	0	0
All Other Material Recording/Scheduling/Dist.	17	18	1	1	2
All Other Clerical & Administrative Support	1	1	0	0	0
SERVICE OCCUPATIONS	279	313	34	45	79
First Line Supers. & Mgrs./Supers. - Service	16	17	1	2	3
Bartenders	25	28	3	3	6
Waiters & Waitresses	59	68	9	3	22
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	35	40	5	8	13
Butchers & Meat Cutters	11	12	1	1	2
Cooks, Specialty Fast Food	19	21	2	0	2
Food Preparation Workers	41	47	6	7	13
Combined Food Preparation & Service Workers	38	43	5	6	11
All Other Food Service Workers	12	13	1	3	4
All Health Service Workers	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	21	22	1	2	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	240	255	15	8	23
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	5	5	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Automotive Mechanics	22	22	0	1	1
Electric Home Appliance & Power Tool Repairers	15	15	0	0	0
All Other Electrical Mechs./Installers/Repairers	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	34	36	2	0	2
All Construction Trades Workers	4	4	0	0	0
All Precision Workers	4	4	0	0	0
All Machine Operators & Tenders	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GRAHAM COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Truck Drivers, Heavy or Tractor Trailer	21	23	2	0	2
Truck Drivers, Light - Incl. Delivery & Route	14	15	1	0	1
All Other Motor Vehicle Operators	1	1	0	0	0
All Other Transportation & Related Workers	8	8	0	0	0
All Transportation & Moving Equip. Operators	1	1	0	0	0
Mechanic & Repairer Helpers	6	6	0	0	0
Freight, Stock, & Material Movers, Hand	60	69	9	6	15
Hand Packers & Packagers	8	8	0	0	0
Vehicle Washers & Equipment Cleaners	12	12	0	1	1
All Other Helpers & Laborers	19	20	1	0	1
TOTAL OF ALL OCCUPATIONS	1,216	1,328	112	112	224

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
 Traffic, Shipping, & Receiving Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
 Cooks, Restaurant

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
 Mobile Heavy Equip. Mechanics, Exc. Engines
 Farm Equipment Mechanics
 Tire Repairers & Changers

All Other Transportation & Related Workers
 Service Station Attendants

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GREENLEE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	8	8	0	0	0
General Managers & Top Executives	6	6	0	0	0
All Other Managers & Administrators	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	4	4	0	0	0
All Management Support Workers	1	1	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	3	3	0	0	0
SALES & RELATED OCCUPATIONS	108	119	11	8	19
First Line Supervisors & Managers - Sales	14	15	1	1	2
Salespersons, Retail	52	58	6	4	10
Stock Clerks, Sales Floor	22	25	3	1	4
Cashiers	20	21	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	17	18	1	1	2
General Office Clerks	5	5	0	1	1
All Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	11	12	1	0	1
SERVICE OCCUPATIONS	93	98	5	9	14
All Service Supervisors & Managers	1	1	0	0	0
Bartenders	15	16	1	1	2
Butchers & Meat Cutters	6	6	0	0	0
Cooks, Specialty Fast Food	9	10	1	1	2
All Other Food Service Workers	49	52	3	6	9
All Health Service Workers	2	2	0	0	0
All Cleaning/Building Service, Exc. Private House	11	11	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	13	13	0	0	0
All Mechanics, Installers, & Repairers	1	1	0	0	0
All Motor Vehicle Operators	6	6	0	0	0
Service Station Attendants	6	6	0	0	0
TOTAL OF ALL OCCUPATIONS	243	260	17	18	35

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SERVICE OCCUPATIONS

All Other Food Service Workers
- Waiters & Waitresses
- Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria
- Cooks, Restaurant
- Food Preparation Workers
- Combined Food Preparation & Service Workers

All Cleaning/Building Service, Exc. Private House
- Maids & Housekeeping Cleaners
- Janitors & Cleaners, Exc. Maids & Housekeeping

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Motor Vehicle Operators
- Truck Drivers, Light - Incl. Delivery & Route

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

LA PAZ COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	28	28	0	0	0
Food Service & Lodging Managers	7	7	0	0	0
General Managers & Top Executives	20	20	0	0	0
All Other Managers & Administrators	1	1	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	5	5	0	0	0
All Management Support Workers	5	5	0	0	0
SALES & RELATED OCCUPATIONS	206	223	17	20	37
First Line Supervisors & Managers - Sales	15	16	1	1	2
Salespersons, Retail	37	39	2	2	4
Salespersons, Parts	16	17	1	0	1
Stock Clerks, Sales Floor	45	51	6	2	8
Cashiers	86	93	7	15	22
All Other Sales & Related Workers	7	7	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	31	31	0	1	1
Secretaries	2	2	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	10	10	0	0	0
General Office Clerks	10	10	0	1	1
All Material Recording/Scheduling/Dist.	4	4	0	0	0
All Other Clerical & Administrative Support	5	5	0	0	0
SERVICE OCCUPATIONS	343	381	38	54	92
First Line Supers. & Mgrs./Supers. - Service	12	13	1	2	3
All Protective Service Workers	5	5	0	0	0
Bartenders	66	76	10	9	19
Waiters & Waitresses	139	157	18	30	48
Cooks, Restaurant	28	30	2	3	5
Cooks, Specialty Fast Food	31	35	4	4	8
Food Preparation Workers	24	26	2	3	5
All Other Food Service Workers	15	15	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	23	24	1	3	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	143	149	6	5	11
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	5	5	0	0	0
Automotive Mechanics	18	18	0	0	0
All Construction Trades Workers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	29	30	1	0	1
All Precision Workers	3	3	0	0	0
Truck Drivers, Heavy or Tractor Trailer	9	9	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	10	10	0	0	0
Service Station Attendants	19	19	0	2	2
All Transportation Moving Equip. Operators	2	2	0	0	0
Freight, Stock, & Material Movers, Hand	34	39	5	3	8
All Other Helpers & Laborers	9	9	0	0	0
TOTAL OF ALL OCCUPATIONS	757	818	61	80	141

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

LA PAZ COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SERVICE OCCUPATIONS

- All Other Food Service Workers
  - Butchers & Meat Cutters
  - Combined Food Preparation & Service Workers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Mechanics, Installers, & Repairers
  - Maintenance Repairers, General Utility
  - Bus & Truck Mechs., Diesel Eng. Specialists
  - Farm Equipment Mechanics

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING (CONTINUED)

- All Other Construction Trades Workers
  - Carpet Installers

- All Other Helpers & Laborers
  - Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	13,399	16,659	3,260	1,704	4,964
Financial Managers	287	339	52	23	75
Personnel, Training, & Labor Relation Mgrs.	146	172	26	10	36
Purchasing Managers	770	928	158	66	224
Marketing, Advertising, & Public Rel. Mgrs.	735	887	152	91	243
Administrative Services Managers	62	68	6	3	9
Transportation, Communications, & Utilities Operations Managers	163	187	24	3	27
Food Service & Lodging Managers	2,206	2,886	680	356	1,036
General Managers & Top Executives	7,945	9,880	1,935	1,006	2,941
All Other Managers & Administrators	1,085	1,312	227	146	373
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	6,292	7,640	1,348	656	2,004
Accountants & Auditors	577	697	120	71	191
Budget Analysts	10	11	1	0	1
All Other Financial Specialists	38	42	4	2	6
Wholesale & Retail Buyers, Exc. Farm Products	891	1,067	176	122	298
Purchasing Agents & Buyers, Farm Products	153	180	27	11	38
Purchasing Agents, Exc. Wholesale, Retail, & Farm	108	124	16	8	24
Personnel, Training, & Labor Rel. Specialists	155	180	25	11	36
Cost Estimators	78	93	15	15	30
All Other Management Support Workers	200	238	38	21	59
Electrical & Electronic Engineers	139	167	28	7	35
Mechanical Engineers	43	49	6	1	7
All Other Engineers	14	16	2	0	2
Electrical/Electronic Engineering Technicians	803	976	173	45	218
Mechanical Engineering Technicians	26	29	3	0	3
Drafters	53	62	9	0	9
All Other Engineering & Related Technicians	2	2	0	0	0
Physical Scientists	12	13	1	0	1
Life Scientists	1	1	0	0	0
Physical & Life Science Technicians & Technologists	6	6	0	0	0
Systems Analysts, Electronic Data Processing	312	372	60	11	71
Computer Programmers	279	331	52	10	62
Computer Programmer Aides	34	38	4	1	5
Opticians, Dispensing & Measuring	247	318	71	36	107
Pharmacists	760	968	208	171	379
All Other Health Professionals, Paraprofessionals, & Technicians	16	18	2	2	4
Writers & Editors	23	26	3	1	4
Artists & Related Workers	120	138	18	15	33
Designers, Exc. Interior Designers	277	343	66	18	84
Interior Designers	286	360	74	12	86
Merchandise Displayers & Window Trimmers	147	169	22	25	47
Musicians, Instrumental	74	97	23	11	34
All Other Professional, Paraprofessional, & Technical Workers	408	509	101	29	130
SALES & RELATED OCCUPATIONS	70,916	86,735	15,819	10,435	26,254
First Line Supervisors & Managers - Sales	7,398	9,064	1,666	1,070	2,736
Sales Engineers	202	239	37	7	44
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	2,858	3,458	600	375	975
All Other Sales Representatives, Exc. Retail	10,180	12,417	2,237	1,704	3,941
Salespersons, Retail	29,241	35,802	6,561	3,846	10,407
Salespersons, Parts	2,184	2,676	492	264	756
Counter & Rental Clerks	736	894	158	142	300
Stock Clerks, Sales Floor	4,988	6,068	1,080	308	1,388
Cashiers	11,804	14,505	2,701	2,494	5,195
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	543	676	133	109	242
Demonstrators, Promoters, & Models	274	332	58	44	102
All Other Sales & Related Workers	508	604	96	72	168

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	25,192	30,593	5,401	4,041	9,442
First Line Supers. -Clerical & Admin. Support	1,682	2,052	370	207	577
Credit Authorizers	143	170	27	27	54
Credit Managers	183	216	33	34	67
Adjustment Clerks	583	690	107	116	223
Bill & Account Collectors	272	326	54	36	90
Secretaries	2,369	2,902	533	540	1,073
Receptionists & Information Clerks	415	496	81	78	159
Typists	118	138	20	25	45
Typists, Word Processing Equipment	37	41	4	1	5
Personnel Clerks, Exc. Payroll & Timekeeping	150	173	23	38	61
Correspondence Clerks	10	11	1	1	2
File Clerks	96	110	14	22	36
Order Clerks - Materials, Merch., & Service	1,369	1,654	285	281	566
Bookkeeping, Accounting, & Auditing Clerks	4,395	5,434	1,039	871	1,910
Payroll & Timekeeping Clerks	185	217	32	21	53
Billing, Cost & Rate Clerks	589	711	122	116	238
General Office Clerks	2,903	3,553	650	625	1,275
Billing, Posting, & Calculating Machine Opers.	194	232	38	31	69
Computer Operators, Exc. Peripheral Equipment	244	286	42	16	58
Peripheral EDP Equipment Operators	118	142	24	26	50
Data Entry Keyers, Exc. Composing	590	706	116	34	150
All Other Office Machine Operators	12	13	1	1	2
Switchboard Operators	420	497	77	100	177
Mail Clerks, Exc. Mail Machine Operators & Postal Service	59	67	8	6	14
Dispatchers - Exc. Police, Fire, & Ambulance	250	296	46	15	61
Weighers, Measurers, Checkers, & Samplers, Record	44	50	6	2	8
Marking Clerks	453	535	82	94	176
Stock Clerks - Stockroom, Warehouse, or Yard	2,951	3,596	645	323	968
Order Fillers, Wholesale & Retail Sales	1,864	2,273	409	107	516
Traffic, Shipping, & Receiving Clerks	2,148	2,601	453	234	687
All Other Material Recording/Scheduling/Dist.	103	120	17	9	26
All Other Clerical & Administrative Support	243	285	42	4	46
SERVICE OCCUPATIONS	60,625	78,794	18,169	11,306	29,475
First Line Supers. & Mgrs./Supers. - Service	2,240	2,899	659	467	1,126
Detectives & Investigators, Exc. Public	194	230	36	9	45
Guards & Watch Guards	466	588	122	26	148
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	1,896	2,478	582	441	1,023
Bartenders	3,580	4,700	1,120	548	1,668
Waiters & Waitresses	13,505	17,666	4,161	3,147	7,308
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	3,684	4,812	1,128	218	1,346
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	2,912	3,644	832	678	1,510
Bakers, Bread & Pastry	898	1,106	208	155	363
Butchers & Meat Cutters	915	1,103	188	97	285
Cooks, Restaurant	3,884	5,070	1,186	628	1,814
Cooks, Institution or Cafeteria	569	744	175	91	266
Cooks, Specialty Fast Food	2,212	2,901	689	358	1,047
Cooks, Short Order	1,012	1,316	304	125	429
Food Preparation Workers	5,546	7,249	1,703	1,053	2,756
Combined Food Preparation & Service Workers	14,323	18,735	4,412	2,725	7,137
All Other Food Service Workers	581	713	132	107	239
Pharmacy Assistants	208	265	57	49	106
Maids & Housekeeping Cleaners	73	94	21	18	39
Janitors & Cleaners, Exc. Maids & Housekeeping	1,640	2,013	373	290	663
All Other Cleaning/Building Service, Exc. Private House	98	120	22	14	36
Hairdressers, Hairstylists, & Cosmetologists	161	189	28	42	70
All Other Service Workers	128	159	31	20	51

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1,045	1,290	245	200	445
Nursery Workers	383	479	96	75	171
Graders & Sorters, Agricultural Products	25	30	5	4	9
Gardeners & Groundskeepers, Exc. Farm	613	754	141	120	261
All Other Agri., Forestry, Fishing, & Related	24	27	3	1	4
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	35,469	43,406	7,937	3,337	11,274
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1,074	1,310	236	140	376
First Line Mgrs./Supers. - Production & Opers.	562	676	114	101	215
Production Inspectors, Testers, & Graders	53	60	7	3	10
All Other Inspectors, Testers, & Related	41	48	7	5	12
Machinery Maintenance Mechanics	77	89	12	1	13
Maintenance Repairers, General Utility	854	1,028	174	68	242
Automotive Mechanics	3,353	4,163	810	277	1,087
Automotive Body & Related Repairers	519	645	126	48	174
Motorcycle Repairers	100	123	23	5	28
Bus & Truck Mechs., & Diesel Eng. Specialists	626	751	125	48	173
Mobile Heavy Equip. Mechanics, Exc. Engines	442	534	92	24	116
Farm Equipment Mechanics	106	128	22	7	29
Aircraft Mechanics	71	88	17	4	21
Small Engine Specialists	53	65	12	4	16
Data Processing Equipment Repairers	402	493	91	20	111
Electronic Home Entertainment Equip. Repairers	265	335	70	17	87
Electric Home Appliance & Power Tool Repairers	242	289	47	24	71
Electrical Installers & Repairers, Transportation Equipment	65	78	13	4	17
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	408	494	86	34	120
Camera & Photographic Equipment Repairers	8	10	2	0	2
Watchmakers	18	23	5	1	6
Musical Instrument Repairers & Tuners	37	47	10	3	13
Office Machine & Cash Register Servicers	638	772	134	59	193
Installers/Repairers - Manufactured Buildings	279	348	69	24	93
Gas Appliance Repairers	10	12	2	0	2
Coin & Vending Machine Servicers & Repairers	97	122	25	8	33
Bicycle Repairers	73	93	20	6	26
Tire Repairers & Changers	589	730	141	65	206
All Other Mechanics, Installers, & Repairers	805	988	183	68	251
Carpenters	125	154	29	12	41
Electricians	17	19	2	0	2
Painters & Paperhangers - Construction & Maintenance	7	7	0	0	0
Plumbers, Pipefitters, & Steamfitters	18	21	3	1	4
Carpet Installers	111	137	26	5	31
Floor Layers, Exc. Carpet, Wood, & Hard Tiles	102	128	26	4	30
Glaziers	169	205	36	14	50
All Other Construction Trades Workers	280	350	70	17	87
Machinists	259	312	53	24	77
Jewelers & Silversmiths	200	256	56	37	93
Sheet Metal Workers	8	10	2	0	2
Wood Machinists	120	149	29	12	41
Cabinetmakers & Bench Carpenters	566	716	150	48	198
Furniture Finishers	175	219	44	6	50
Custom Tailors & Sewers	250	293	43	40	83
Upholsterers	22	27	5	2	7
All Other Precision Workers	718	885	167	62	229
Sewing Machine Operators, Garment	30	34	4	3	7
Sewing Machine Operators, Non-Garment	165	212	47	23	70
Painters, Transportation Equipment	62	76	14	6	20
Packaging & Filling Machine Opers. & Tenders	238	287	49	25	74
All Machine Setters & Set-Up Operators	35	40	5	2	7
All Other Machine Operators & Tenders	435	533	98	43	141

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Welders & Cutters	215	258	43	16	59
Assemblers/Fabricators - Exc. Machine, Electrical, & Precision	554	679	125	56	181
All Other Hand Workers	161	193	32	12	44
All Plant System Operators	18	20	2	1	3
Truck Drivers, Heavy or Tractor Trailer	1,856	2,256	400	127	527
Truck Drivers, Light - Incl. Delivery & Route	3,419	4,215	796	240	1,036
Driving Sales Workers	618	757	139	39	178
Service Station Attendants	1,560	1,943	383	81	564
All Other Transportation & Related Workers	97	118	21	9	30
Hoist & Winch Operators	44	53	9	3	12
Crane & Tower Operators	17	19	2	0	2
Industrial Truck & Tractor Operator	325	397	72	18	90
Conveyor Operators & Tenders	192	231	39	21	60
All Other Material Moving Equipment Operators	180	217	37	14	51
Mechanic & Repairer Helpers	520	635	115	56	171
Freight, Stock, & Material Movers, Hand	4,877	5,913	1,036	551	1,587
Hand Packers & Packagers	2,269	2,730	461	254	715
Vehicle Washers & Equipment Cleaners	852	1,055	203	95	298
All Other Helpers & Laborers	1,716	2,105	389	190	579
TOTAL OF ALL OCCUPATIONS	212,938	265,117	52,179	31,679	83,858

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

- All Other Professional, Paraprofessional, & Technical Workers
- Photographers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Construction Trades Workers
- Floor Sanding Machine Operators

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MOHAVE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	358	394	36	28	64
Purchasing Managers	15	15	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	6	6	0	0	0
Food Service & Lodging Managers	40	46	6	6	12
General Managers & Top Executives	287	316	29	22	51
All Other Managers & Administrators	10	11	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	82	91	9	7	16
Accountants & Auditors	7	7	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	6	6	0	0	0
All Other Management Support Workers	1	1	0	0	0
Electrical/Electronic Engineering Technicians	7	8	1	0	1
Pharmacists	30	35	5	6	11
Designers, Exc. Interior Designers	20	23	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	11	11	0	0	0
SALES & RELATED OCCUPATIONS	1,639	1,842	203	195	398
First Line Supervisors & Managers - Sales	159	175	16	15	31
Sales Representatives, Exc. Retail	47	51	4	4	8
Salespersons, Retail	647	727	80	67	147
Salespersons, Parts	36	36	0	2	2
Stock Clerks, Sales Floor	231	265	34	10	44
Cashiers	498	565	67	96	163
All Other Sales & Related Workers	21	23	2	1	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	338	353	15	27	42
First Line Supers.-Clerical & Admin. Support	29	29	0	0	0
Adjustment Clerks	8	8	0	0	0
Secretaries	63	65	2	5	7
Bookkeeping, Accounting, & Auditing Clerks	87	92	5	10	15
Payroll & Timekeeping Clerks	6	6	0	0	0
Billing, Cost, & Rate Clerks	16	17	1	2	3
General Office Clerks	34	36	2	4	6
All Office Machine Operators	11	11	0	0	0
All Communication Equipment Operators	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	30	31	1	1	2
All Other Material Recording/Scheduling/Dist.	42	46	4	5	9
All Other Clerical & Administrative Support	24	25	1	2	3
SERVICE OCCUPATIONS	1,609	1,836	227	279	506
First Line Supers. & Mgrs./Supers. - Service	81	92	11	16	27
All Protective Service Workers	7	7	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	26	30	4	5	9
Bartenders	56	64	8	8	16
Waiters & Waitresses	331	379	48	73	121
Dining Room/Cafeteria Attdts. & Bartr. Helpers	56	64	8	3	11
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	133	152	19	30	49
Bakers, Bread & Pastry	9	10	1	1	2
Butchers & Meat Cutters	37	43	6	3	9
Cooks, Restaurant	111	128	17	17	34
Cooks, Specialty Fast Food	194	223	29	30	59
Food Preparation Workers	76	87	11	12	23
Combined Food Preparation & Service Workers	399	459	60	72	132
All Other Food Service Workers	21	21	0	2	2
Janitors & Cleaners, Exc. Maids & Housekeeping	60	64	4	6	10
All Other Cleaning/Building Service, Exc. Private House	4	4	0	0	0
All Other Service Workers	8	9	1	1	2
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	11	12	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MOHAVE COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,030	1,103	73	65	138
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	31	31	0	2	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
Maintenance Repairers, General Utility	7	7	0	0	0
Automotive Mechanics	141	145	4	8	12
Automotive Body & Related Repairers	11	11	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	34	37	3	2	5
Mobile Heavy Equip. Mechanics, Exc. Engines	17	19	2	0	2
Small Engine Specialists	23	24	1	2	3
Electronic Home Entertainment Equip. Repairers	7	8	1	0	1
Installers/Repairers - Manufactured Buildings	14	16	2	1	3
Tire Repairers & Changers	56	58	2	5	7
All Other Mechanics, Installers, & Repairers	13	13	0	0	0
Glaziers	6	7	1	0	1
All Other Construction & Extraction Workers, Exc. Helpers	12	14	2	0	2
Furniture Finishers	23	27	4	1	5
All Other Precision Woodworkers	4	4	0	0	0
All Precision Textile & Apparel Workers	8	8	0	0	0
All Other Precision Workers	8	9	1	0	1
All Machine Operators & Tenders	6	6	0	0	0
Welders & Cutters	11	12	1	0	1
Truck Drivers, Heavy or Tractor Trailer	8	8	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	42	44	2	1	3
Driving Sales Workers	110	119	9	3	12
Service Station Attendants	51	58	7	2	9
All Material Moving Equipment Operators	188	197	9	20	29
Freight, Stock, & Material Movers, Hand	4	4	0	0	0
Hand Packers & Packagers	80	91	11	8	19
Vehicle Washers & Equipment Cleaners	44	51	7	5	12
All Other Helpers & Laborers	27	27	0	2	2
All Other Hand Workers	40	44	4	3	7
TOTAL OF ALL OCCUPATIONS	5,067	5,631	564	602	1,166

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
Sales Representatives, Scientific & Related Products & Services, Exc. Retail
Counter & Rental Clerks

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Office Machine Operators
Data Entry Keyers, Exc. Composing

All Other Material Recording/Scheduling/Dist.
Marking Clerks
Order Fillers, Wholesale & Retail Sales
Traffic, Shipping, & Receiving Clerks

SERVICE OCCUPATIONS

All Protective Service Workers
Guards & Watch Guards

All Other Food Service Workers
Cooks, Short Order

AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS

Gardeners & Groundskeepers, Exc. Farm

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Construction & Extraction Workers, Exc. Helpers
Carpet Installers

All Precision Textile & Apparel Workers
Custom Tailors & Sewers

All Machine Operators & Tenders
Sewing Machine Operators, Garment

All Other Helpers & Laborers
Mechanic & Repairer Helpers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

NAVAJO COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	305	335	30	26	56
Purchasing Managers	9	9	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	10	10	0	0	0
Food Service & Lodging Managers	64	73	9	9	18
General Managers & Top Executives	215	236	21	17	38
All Other Managers & Administrators	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	28	30	2	2	4
Accountants & Auditors	7	7	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	6	6	0	0	0
All Other Management Support Workers	1	1	0	0	0
Pharmacists	11	13	2	2	4
All Other Professional, Paraprofessional, & Technical Workers	3	3	0	0	0
SALES & RELATED OCCUPATIONS	1,157	1,306	149	150	299
First Line Supervisors & Managers - Sales	101	111	10	10	20
Salespersons, Retail	459	518	59	49	108
Salespersons, Parts	35	35	0	2	2
Stock Clerks, Sales Floor	138	160	22	7	29
Counter & Rental Clerks	9	9	0	1	1
Cashiers	382	439	57	76	133
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	25	26	1	5	6
All Other Sales & Related Workers	33	34	1	5	6
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	203	212	9	15	24
First Line Supers.-Clerical & Admin. Support	35	36	1	2	3
Secretaries	15	15	0	1	1
Bookkeeping, Accounting, & Auditing Clerks	54	56	2	5	7
General Office Clerks	35	36	1	5	6
All Office Machine Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	22	23	1	1	2
Order Fillers, Wholesale & Retail Sales	16	19	3	1	4
Traffic, Shipping, & Receiving Clerks	7	7	0	0	0
All Other Clerical & Administrative Support	17	18	1	0	1
SERVICE OCCUPATIONS	1,213	1,383	170	207	377
First Line Supers. & Mgrs./Supers. - Service	31	34	3	5	8
All Protective Service Workers	2	2	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	17	19	2	3	5
Bartenders	58	66	8	8	16
Waiters & Waitresses	318	367	49	71	120
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	33	38	5	1	6
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	27	31	4	6	10
Bakers, Bread & Pastry	8	8	0	0	0
Butchers Meat Cutters	25	28	3	1	4
Cooks, Restaurant	115	131	16	17	33
Cooks, Institution or Cafeteria	11	12	1	1	2
Cooks, Specialty Fast Food	57	65	8	8	16
Cooks, Short Order	19	21	2	2	4
Food Preparation Workers	109	124	15	19	34
Combined Food Preparation & Service Workers	302	347	45	54	99
Maids & Housekeeping Cleaners	17	19	2	3	5
Janitors & Cleaners, Exc. Maids & Housekeeping	64	71	7	8	15
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	623	623	50	42	92
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	13	13	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

NAVAJO COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	8	8	0	0	0
Automotive Mechanics	58	60	2	3	5
Automotive Body & Related Repairers	7	7	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	12	12	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	9	10	1	0	1
Tire Repairers & Changers	55	56	1	4	5
All Other Mechanics, Installers, & Repairers	19	20	1	1	2
Machinists	9	9	0	0	0
Cabinetmakers & Bench Carpenters	11	13	2	0	2
All Other Precision Workers	2	2	0	0	0
All Machine Operators & Tenders	3	3	0	0	0
All Hand Workers	7	8	1	0	1
Truck Drivers, Heavy or Tractor Trailer	43	48	5	2	7
Truck Drivers, Light - Incl. Delivery & Route	25	27	2	0	2
Service Station Attendants	128	136	8	13	21
All Material Moving Equipment Operators	3	3	0	0	0
Mechanic & Repairer Helpers	11	11	0	0	0
Freight, Stock, & Material Movers, Hand	89	102	13	8	21
Hand Packers and Packagers	72	83	11	8	19
Vehicle Washers & Equipment Cleaners	24	25	1	2	3
All Other Helpers & Laborers	20	22	2	1	3
TOTAL OF ALL OCCUPATIONS	3,535	3,945	410	442	852

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
  Gas Appliance Repairers

All Hand Workers
  Assemblers/Fabricators - Exc. Machine,
   Electrical & Precision

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	3,396	4,021	625	399	1,024
Financial Managers	47	53	6	2	8
Personnel, Training, & Labor Relations Mgrs.	16	16	0	0	0
Purchasing Managers	151	161	10	5	15
Marketing, Advertising, & Public Rel. Mgrs.	156	174	18	16	34
Administrative Services Managers	7	7	0	0	0
Transportation, Communications, Utilities Operations Managers	14	14	0	0	0
Food Service & Lodging Managers	660	866	206	106	312
General Managers & Top Executives	2,112	2,472	360	242	602
All Other Managers & Administrators	233	258	25	28	53
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,552	1,791	239	168	407
Accountants & Auditors	112	127	15	10	25
All Other Financial Specialists	6	6	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	96	218	22	21	43
Purchasing Agents & Buyers, Farm Products	20	22	2	1	3
Purchasing Agents, Exc. Wholesale, Retail, & Farm	10	10	0	0	0
Personnel, Training, & Labor Rel. Specialists	22	22	0	2	2
Cost Estimators	6	6	0	1	1
All Other Management Support Workers	82	93	11	9	20
Electrical & Electronic Engineers	8	8	0	0	0
All Other Engineers	6	6	0	0	0
Electrical/Electronic Engineering Technicians	78	85	7	3	10
Drafters	9	10	1	0	1
All Other Engineering & Related Technicians	1	8	0	0	0
All Life Scientists	8	1	0	0	0
All Physical & Life Science Techs.	4	4	0	0	0
Systems Analysts, Electronic Data Processing	57	63	6	2	8
Computer Programmers	101	111	10	4	14
Opticians, Dispensing & Measuring	8	8	0	0	0
Pharmacists	247	288	41	53	94
All Other Health Professionals, Paraprofessionals, & Technicians	63	76	13	13	26
Writers & Editors	10	11	1	1	2
Artists & Related Workers	19	21	2	2	4
Designers, Exc. Interior Designers	41	45	4	2	6
Interior Designers	46	51	5	1	6
Merchandise Displayers & Window Trimmers	37	38	1	7	8
Musicians, Instrumental	89	117	28	13	41
All Other Professional, Paraprofessional, & Technical Workers	266	336	70	23	93
SALES & RELATED OCCUPATIONS	17,194	19,615	2,421	2,445	4,866
First Line Supervisors & Managers - Sales	1,799	2,046	247	241	488
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	205	225	20	22	42
All Other Sales Representatives, Exc. Retail	1,451	1,636	185	230	415
Salespersons, Retail	7,452	8,226	774	938	1,712
Salespersons, Parts	629	719	90	70	160
Counter & Rental Clerks	86	96	10	13	23
Stock Clerks, Sales Floor	1,346	1,586	240	76	316
Cashiers	3,945	4,784	839	820	1,659
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	53	57	4	9	13
Demonstrators, Promoters, & Models	56	58	2	6	8
All Other Sales & Related Workers	172	182	10	20	30
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	4,829	5,342	513	659	1,172
First Line Supers.-Clerical & Admin. Support	311	344	33	31	64
Credit Authorizers	15	15	0	2	2
Credit Managers	21	21	0	2	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Adjustment Clerks	130	137	7	24	31
Bill & Account Collectors	65	74	9	7	16
Secretaries	343	385	42	61	103
Receptionists & Information Clerks	59	62	3	7	10
Personnel Clerks, Exc. Payroll & Timekeeping	21	21	0	4	4
Order Clerks - Materials, Merch., & Service	316	348	32	57	89
Bookkeeping, Accounting, & Auditing Clerks	924	1,046	122	166	288
Payroll & Timekeeping Clerks	28	29	1	2	3
Billing, Cost & Rate Clerks	96	105	9	14	23
General Office Clerks	665	740	75	126	201
Billing, Posting, & Calculating Machine Opers.	42	45	3	5	8
Computer Operators, Exc. Peripheral Equipment	45	47	2	2	4
Peripheral EDP Equipment Operators	29	31	2	5	7
Data Entry Keyers, Exc. Composing	179	201	22	12	34
All Other Office Machine Operators	2	2	0	0	0
Switchboard Operators	105	111	6	22	28
Dispatchers - Exc. Police, Fire, & Ambulance	40	43	3	2	5
Marking Clerks	35	35	0	4	4
Stock Clerks - Stockroom, Warehouse, or Yard	503	550	47	45	92
Order Fillers, Wholesale & Retail Sales	226	252	26	8	34
Traffic, Shipping, & Receiving Clerks	436	479	43	37	80
All Other Material Recording/Scheduling/Dist.	96	109	13	9	22
All Other Clerical & Administrative Support	97	110	13	5	18
SERVICE OCCUPATIONS	16,129	21,001	4,872	3,042	7,914
First Line Supers. & Mgrs./Supers. - Service	781	1,017	236	162	398
Detectives & Investigators, Exc. Public	32	33	1	1	2
Guards & Watch Guards	66	76	10	3	13
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	341	447	106	78	184
Bartenders	997	1,312	315	152	467
Waiters & Waitresses	3,337	4,389	1,052	777	1,829
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	536	707	171	32	203
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	889	1,152	263	214	477
Bakers, Bread & Pastry	503	645	142	86	228
Butchers & Meat Cutters	221	272	51	22	73
Cooks, Restaurant	758	992	234	121	355
Cooks, Institution or Cafeteria	168	221	53	27	80
Cooks, Specialty Fast Food	867	1,141	274	140	414
Cooks, Short Order	285	371	86	35	121
Food Preparation Workers	1,461	1,913	452	274	726
Combined Food Preparation & Service Workers	4,010	5,271	1,261	761	2,022
All Other Food Service Workers	82	102	20	13	33
Pharmacy Assistants	81	94	13	18	31
Maids & Housekeeping Cleaners	36	42	6	7	13
Janitors & Cleaners, Exc. Maids & Housekeeping	553	668	115	92	207
Hairdressers, Hairstylists, & Cosmetologists	75	77	2	19	21
All Other Service Workers	50	59	9	8	17
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	84	96	12	14	26
Nursery Workers	62	71	9	10	19
Gardeners & Groundskeepers, Exc. Farm	22	25	3	4	7
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	7,842	8,959	1,117	650	1,767
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	271	302	31	29	60
All Inspectors, Testers, & Related	25	25	0	1	1
Maintenance Repairers, General Utility	127	146	19	5	24
Automotive Mechanics	798	929	131	61	192
Automotive Body & Related Repairers	125	145	20	10	30
Motorcycle Repairers	21	24	3	1	4
Farm Equipment Mechanics	48	53	5	3	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Bus & Truck Mechs., & Diesel Eng. Specialists	87	95	8	4	12
Mobile Heavy Equip. Mechanics, Exc. Engines	78	87	9	4	13
Small Engine Specialists	31	33	2	1	3
Electronic Home Entertainment Equip. Repairers	38	43	5	2	7
Electric Home Appliance & Power Tool Repairers	60	62	2	6	8
Electrical Installers & Repairers, Transportation Equipment	86	96	10	5	15
All Other Electrical Mechs./Installers/Repairers	3	3	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	29	32	3	2	5
Office Machine & Cash Register Servicers	89	97	8	7	15
Installers/Repairers - Manufactured Buildings	50	58	8	3	11
Coin & Vending Machine Servicers & Repairers	21	24	3	1	4
Bicycle Repairers	46	53	7	4	11
Tire Repairers & Changers	277	321	44	29	73
All Other Mechanics, Installers, & Repairers	102	107	5	3	8
Carpenters	202	228	26	24	50
Painters & Paperhangers - Construction & Maintenance	6	6	0	0	0
Carpet Installers	54	61	7	1	8
Floor Layers, Exc. Carpet, Wood, & Hard Tiles	35	39	4	0	4
All Other Construction Trades Workers	69	79	10	5	15
Machinists	114	128	14	10	24
Jewelers & Silversmiths	39	44	5	6	11
Cabinetmakers & Bench Carpenters	103	116	13	6	19
Furniture Finishers	45	52	7	1	8
Wood Machinists	5	5	0	0	0
Custom Tailors & Sewers	61	62	1	9	10
Upholsterers	13	14	1	1	2
All Other Precision Workers	66	71	5	3	8
Sewing Machine Operators, Garment	19	20	1	2	3
Sewing Machine Operators, Non-Garment	40	44	4	4	8
Painters, Transportation Equipment	43	49	6	4	10
All Setters & Set-Up Operators	8	8	0	0	0
All Machine Operators & Tenders	70	79	9	4	13
Welders & Cutters	35	38	3	2	5
Assemblers/Fabricators - Exc. Machine, Electrical & Precision	579	585	66	57	123
All Other Hand Workers	106	116	10	8	18
All Plant & System Operators	2	2	0	0	0
Truck Drivers, Heavy or Tractor Trailer	424	468	44	23	67
Truck Drivers, Light - Incl. Delivery & Route	672	763	91	36	127
Driving Sales Workers	223	267	44	12	56
Service Station Attendants	618	726	108	70	178
All Other Transportation & Related Workers	4	4	0	0	0
Industrial Truck & Tractor Operators	94	105	11	4	15
All Other Material Moving Equipment Operators	13	13	0	0	0
Mechanic & Repairer Helpers	67	75	8	5	13
Freight, Stock, & Material Movers, Hand	895	1,062	167	91	258
Hand Packers & Packagers	343	425	82	39	121
Vehicle Washers & Equipment Cleaners	137	159	22	13	35
All Other Helpers & Laborers	186	201	15	15	30
TOTAL OF ALL OCCUPATIONS	51,026	60,825	9,799	7,377	17,176

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
Mechanical Engineering Technicians

All Other Professional, Paraprofessional, & Technical Workers
Computer Programmer Aides

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Weighers, Measurers, Checkers, & Samplers-Recordkeeping

All Other Clerical & Administrative Support
Mail Clerks, Exc. Mail Machine Operators & Postal Service

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Inspectors, Testers, & Related
Production Inspectors, Testers, & Graders

All Other Mechanics, Installers, & Repairers
Machinery Maintenance Mechanics
Musical Instrument Repairers & Tuners

All Other Construction Trades Workers
Glaziers

All Machine Operators & Tenders
Packaging & Filling Machine Operators & Tenders

All Other Material Moving Equipment Operators
Conveyor Operators & Tenders

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PINAL COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	288	315	27	21	48
Purchasing Managers	16	16	0	0	0
Food Service & Lodging Managers	42	48	6	6	12
General Managers & Top Executives	202	221	19	13	32
All Other Managers & Administrators	28	30	2	2	4
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	84	93	9	7	16
Accountants & Auditors	12	12	0	0	0
All Other Management Support Workers	11	11	0	0	0
All Engineering & Related Technicians	7	7	0	0	0
Pharmacists	28	33	5	6	11
Designers, Exc. Interior Designers	16	19	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	10	11	1	0	1
SALES & RELATED OCCUPATIONS	1,489	1,676	187	197	384
First Line Supervisors & Managers - Sales	168	186	18	16	34
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	28	30	2	2	4
All Other Sales Representatives, Exc. Retail	13	13	0	1	1
Salespersons, Retail	552	628	76	61	137
Salespersons, Parts	59	62	3	4	7
Counter & Rental Clerks	37	39	2	6	8
Stock Clerks, Sales Floor	118	134	16	6	22
Cashiers	504	574	70	100	170
All Other Sales & Related Workers	10	10	0	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	304	322	18	28	46
First Line Supers.-Clerical & Admin. Support	25	26	1	2	3
Secretaries	25	26	1	3	4
Bookkeeping, Accounting, & Auditing Clerks	114	122	8	14	22
General Office Clerks	58	60	2	5	7
All Office Machine Operators	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	32	35	3	1	4
Traffic, Shipping, & Receiving Clerks	12	13	1	0	1
All Other Material Recording/Scheduling/Dist.	16	17	1	2	3
All Other Clerical & Administrative Support	18	19	1	1	2
SERVICE OCCUPATIONS	1,499	1,702	203	260	463
First Line Supers. & Mgrs./Supers. - Service	38	42	4	6	10
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	28	32	4	6	10
Bartenders	68	78	10	10	20
Waiters & Waitresses	438	500	62	96	158
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	50	56	6	2	8
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	39	45	6	9	15
Bakers, Bread & Pastry	22	25	3	3	6
Butchers & Meat Cutters	55	64	9	5	14
Cooks, Restaurant	139	159	20	21	41
Cooks, Specialty Fast Food	19	21	2	2	4
Cooks, Short Order	39	42	3	3	6
Food Preparation Workers	156	177	21	27	48
Combined Food Preparation & Service Workers	303	348	45	55	100
All Other Food Service Workers	13	15	2	2	4
All Health Service Workers	3	3	0	0	0
Maids & Housekeeping Cleaners	24	27	3	5	8
Janitors & Cleaners, Exc. Maids & Housekeeping	65	68	3	8	11
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	8	9	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PINAL COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	742	793	51	46	97
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	49	50	1	5	6
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
All Inspectors, Testers, & Related	3	3	0	0	0
Automotive Mechanics	84	86	2	4	6
Automotive Body & Related Repairers	11	11	0	1	1
Farm Equipment Mechanics	50	57	7	3	10
Camera & Photographic Equipment Repairers	8	9	1	0	1
Installers/Repairers - Manufactured Buildings	10	11	1	0	1
Tire Repairers & Changers	28	28	0	2	2
All Other Mechanics, Installers, & Repairers	33	33	0	1	1
All Construction & Extraction Workers, Exc. Helpers	4	4	0	0	0
Machinists	8	8	0	0	0
All Other Precision Metal Workers	4	4	0	0	0
All Precision Textile & Apparel Workers	2	2	0	0	0
All Other Precision Workers	5	5	0	0	0
All Machine Operators & Tenders	7	7	0	0	0
All Hand Workers	2	2	0	0	0
Truck Drivers, Heavy or Tractor Trailer	32	35	3	1	4
Truck Drivers, Light - Incl. Delivery & Route	40	43	3	1	4
Driving Sales Workers	23	27	4	1	5
Service Station Attendants	96	100	4	10	14
Crane & Tower Operators	7	7	0	0	0
All Other Material Moving Equipment Operators	6	6	0	0	0
Mechanic & Repairer Helpers	11	11	0	0	0
Freight, Stock, & Material Movers, Hand	69	78	9	6	15
Hand Packers & Packagers	74	85	11	7	18
Vehicle Washers & Equipment Cleaners	24	25	1	2	3
All Other Helpers & Laborers	48	52	4	3	7
TOTAL OF ALL OCCUPATIONS	4,414	4,910	496	560	1,056

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Management Support Workers
Wholesale & Retail Buyers, Exc. Farm Products

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Adjustment Clerks

All Other Material Recording/Scheduling/Dist.
Marking Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Maintenance Repairers, General Utility
Bus & Truck Mechs., & Diesel Eng. Specialists

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

SANTA CRUZ COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	178	193	15	11	26
Personnel, Training, & Labor Relations Mgrs.	7	7	0	0	0
Purchasing Managers	17	18	1	1	2
Food Service & Lodging Managers	10	11	1	1	2
General Managers & Top Executives	141	154	13	9	22
All Other Managers & Administrators	3	3	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	118	129	11	10	21
Accountants & Auditors	18	20	2	2	4
Wholesale & Retail Buyers, Exc. Farm Products	41	45	4	4	8
Purchasing Agents & Buyers, Farm Products	16	18	2	1	3
All Other Management Support Workers	3	3	0	0	0
Pharmacists	6	7	1	1	2
Merchandise Displayers & Window Trimmers	6	6	0	0	0
Musicians, Instrumental	19	21	2	2	4
All Other Professional, Paraprofessional, & Technical Workers	9	9	0	0	0
SALES & RELATED OCCUPATIONS	1,165	1,317	152	136	288
First Line Supervisors & Managers - Sales	136	150	14	14	28
Sales Representatives, Exc. Retail	21	23	2	3	5
Salespersons, Retail	472	538	66	53	119
Salespersons, Parts	13	13	0	0	0
Stock Clerks, Sales Floor	206	235	29	9	38
Cashiers	302	343	41	56	97
All Other Sales & Related Workers	15	15	0	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	756	834	78	95	173
First Line Supers.-Clerical & Admin. Support	60	66	6	6	12
Secretaries	48	53	5	8	13
Receptionists & Information Clerks	13	14	1	2	3
Typists	14	14	0	2	2
Order Clerks - Materials, Merch., & Service	35	38	3	6	9
Bookkeeping, Accounting, & Auditing Clerks	69	74	5	10	15
Payroll & Timekeeping Clerks	10	10	0	1	1
Billing, Cost, & Rate Clerks	19	20	1	4	5
General Office Clerks	110	121	11	19	30
Billing, Posting, & Calculating Machine Opers.	16	18	2	3	5
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0
All Communication Equipment Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	108	120	12	10	22
Order Fillers, Wholesale & Retail Sales	125	142	17	7	24
Traffic, Shipping, & Receiving Clerks	54	60	6	5	11
All Other Material Recording/Scheduling/Dist.	47	54	7	10	17
All Other Clerical & Administrative Support	20	22	2	2	4
SERVICE OCCUPATIONS	559	634	75	88	163
First Line Supers. & Mgrs./Supers. - Service	28	31	3	4	7
All Protective Service Workers	33	38	5	1	6
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	9	10	1	2	3
Bartenders	25	28	3	3	6
Waiters & Waitresses	159	183	24	35	59
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	8	9	1	0	1
Bakers, Bread & Pastry	8	9	1	0	1
Butchers & Meat Cutters	12	13	1	1	2
Cooks, Restaurant	61	70	9	9	18
Food Preparation Workers	63	72	9	11	20
All Other Food Service Workers	71	81	10	13	23
Janitors & Cleaners, Exc. Maids & Housekeeping	77	85	8	9	17
All Other Cleaning/Building Service, Exc. Private House	3	3	0	0	0
All Other Service Workers	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

SANTA CRUZ COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	252	272	20	15	35
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	8	8	0	0	0
Maintenance Repairers, General Utility	14	14	0	0	0
Automotive Mechanics	19	19	0	1	1
All Electrical Mechs./Installers/Repairers	3	3	0	0	0
All Other Mechanics, Installers, & Repairers	8	8	0	0	0
All Construction Trades Workers	5	5	0	0	0
Custom Tailors & Sewers	7	7	0	0	0
All Machine Operators & Tenders	19	21	2	2	4
Truck Drivers, Light - Incl. Delivery & Route	48	53	5	2	7
All Other Motor Vehicle Operators	1	1	0	0	0
Service Station Attendants	22	23	1	2	3
All Other Transportation & Related Workers	1	1	0	0	0
Industrial Truck & Tractor Operators	42	47	5	3	8
Freight, Stock, & Material Movers, Hand	49	56	7	5	12
All Other Helpers & Laborers	6	6	0	0	0
TOTAL OF ALL OCCUPATIONS	3,028	3,379	351	355	706

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
 Demonstrators, Promoters, & Models

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
 Marking Clerks

All Other Clerical & Administrative Support
 Credit Authorizers
 Adjustment Clerks

SERVICE OCCUPATIONS

All Protective Service Workers
 Guards & Watch Guards

All Other Food Service Workers
 Combined Food Preparation & Service Workers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Helpers & Laborers
 Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YAVAPAI COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	400	434	34	31	65
Purchasing Managers	23	23	0	0	0
Marketing, Advertising, & Public Relations Mgrs.	10	10	0	0	0
Food Service & Lodging Managers	53	61	8	8	16
General Managers & Top Executives	292	317	25	22	47
All Other Managers & Administrators	22	23	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	75	81	6	8	14
Accountants & Auditors	25	27	2	2	4
All Other Financial Specialists	3	3	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	8	8	0	0	0
Cost Estimators	10	11	1	2	3
All Other Management Support Workers	4	4	0	0	0
Pharmacists	19	22	3	4	7
All Other Health Professionals, Paraprofessionals & Technicians	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	5	5	0	0	0
SALES & RELATED OCCUPATIONS	1,751	1,989	238	220	458
First Line Supervisors & Managers - Sales	148	166	18	14	32
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	7	7	0	0	0
All Other Sales Representatives, Exc. Retail	35	38	3	3	6
Salespersons, Retail	825	945	120	94	214
Salespersons, Parts	39	40	1	3	4
Counter & Rental Clerks	7	7	0	1	1
Stock Clerks, Sales Floor	178	205	27	8	35
Cashiers	506	575	69	97	166
All Other Sales & Related Workers	6	6	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	391	409	18	35	53
First Line Supers. -Clerical & Admin. Support	28	28	0	0	0
Secretaries	47	50	3	5	8
Order Clerks - Materials, Merch., & Service	12	12	0	2	2
Bookkeeping, Accounting, & Auditing Clerks	92	95	3	10	13
Billing, Cost & Rate Clerks	15	15	0	0	0
General Office Clerks	78	84	6	12	18
Data Entry Keyers, Exc. Composing	7	7	0	0	0
All Other Office Machine Operators	3	3	0	0	0
All Communication Equipment Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	45	49	4	3	7
Order Fillers, Wholesale & Retail Sales	18	18	0	0	0
Traffic, Shipping, & Receiving Clerks	16	17	1	1	2
All Other Material Recording/Scheduling/Dist.	10	11	1	2	3
All Other Clerical & Administrative Support	17	17	0	0	0
SERVICE OCCUPATIONS	1,883	2,151	268	323	591
First Line Supers. & Mgrs./Supers. - Service	44	49	5	8	13
All Protective Service Workers	2	2	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	41	47	6	9	15
Bartenders	110	126	16	15	31
Waiters & Waitresses	475	547	72	106	178
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	87	99	12	4	16
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	162	186	24	37	61
Bakers, Bread & Pastry	50	57	7	7	14
Butchers & Meat Cutters	35	40	5	3	8
Cooks, Restaurant	233	267	34	35	69
Cooks, Institution or Cafeteria	5	5	0	0	0
Cooks, Specialty Fast Food	90	103	13	13	26

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YAVAPAI COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Cooks, Short Order	31	35	4	3	7
Food Preparation Workers	216	248	32	38	70
Combined Food Preparation & Service Workers	208	238	30	36	66
Pharmacy Assistants	8	9	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	67	72	5	6	11
All Other Cleaning/Building Service, Exc. Private House	2	2	0	0	0
All Other Service Workers	17	19	2	2	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	13	14	1	1	2
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	381	409	28	22	50
First Line Managers/Supervisors - Mechanics/Installers/Repairers	24	24	0	1	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	28	31	3	4	7
Maintenance Repairers, General Utility	12	12	0	0	0
Automotive Mechanics	91	94	3	5	8
Automotive Body & Related Repairers	10	10	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	6	6	0	0	0
Small Engine Specialists	6	6	0	0	0
Electronic Home Entertainment Equip. Repairers	15	17	2	0	2
Watchmakers	6	7	1	0	1
Tire Repairers & Changers	33	34	1	3	4
All Other Mechanics, Installers, & Repairers	49	53	4	2	6
Glaziers	6	6	0	0	0
All Other Construction Trades Workers	8	8	0	0	0
All Precision Metal Workers	6	7	1	1	2
Cabinetmakers & Bench Carpenters	71	84	13	6	19
All Other Precision Woodworkers	4	4	0	0	0
All Precision Textile & Apparel Workers	2	2	0	0	0
All Other Precision Workers	4	4	0	0	0
All Machine Setters & Set-Up Operators	3	3	0	0	0
All Other Machine Operators & Tenders	33	37	4	3	7
Truck Drivers, Heavy or Tractor Trailer	19	20	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	69	74	5	1	6
Driving Sales Workers	34	38	4	2	6
Service Station Attendants	76	80	4	6	10
Industrial Truck & Tractor Operators	14	14	0	0	0
Mechanic & Repairer Helpers	9	9	0	0	0
Freight, Stock, & Material Movers, Hand	56	64	8	4	12
Hand Packers & Packagers	73	85	12	8	20
Vehicle Washers & Equipment Cleaners	16	16	0	1	1
All Other Helpers & Laborers	48	54	6	4	10
TOTAL OF ALL OCCUPATIONS	5,344	5,981	637	669	1,306

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
- Office Machine & Cash Register Servicers
- Installers/Repairers - Manufactured Buildings

All Other Machine Operators & Tenders
- Sewing Machine Operators, Garment
- Sewing Machine Operators, Non-Garment

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YUMA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	338	363	25	23	48
Purchasing Managers	35	38	3	2	5
Marketing, Advertising, Public Relations Mgrs.	6	6	0	0	0
Food Service & Lodging Managers	75	86	11	11	22
General Managers & Top Executives	196	207	11	10	21
All Other Managers & Administrators	26	26	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	104	110	6	7	13
Accountants & Auditors	26	27	1	1	2
All Other Financial Specialists	3	3	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	17	17	0	1	1
All Other Management Support Workers	17	17	0	0	0
Pharmacists	23	26	3	4	7
All Other Health Professionals, Paraprofessionals & Technicians	2	2	0	0	0
Merchandise Displayers & Window Trimmers	9	10	1	1	2
Designers, Exc. Interior Designers	6	7	1	0	1
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	2,511	2,841	330	335	665
First Line Supervisors & Managers - Sales	296	328	32	30	62
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	13	13	0	0	0
Other Sales Representatives, Exc. Retail	108	119	11	15	26
Salespersons, Retail	1,054	1,201	147	124	271
Salespersons, Parts	84	87	3	7	10
Stock Clerks, Sales Floor	195	220	25	9	34
Cashiers	733	842	109	147	256
All Other Sales & Related Workers	28	31	3	3	6
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	559	595	36	49	85
First Line Supers.-Clerical & Admin. Support	46	47	1	0	1
Adjustment Clerks	14	16	2	2	4
Secretaries	61	67	6	7	13
Order Clerks - Materials, Merch., Service	24	25	1	3	4
Bookkeeping, Accounting, & Auditing Clerks	122	130	8	15	23
Billing, Cost & Rate Clerks	12	12	0	1	1
General Office Clerks	86	91	5	9	14
Billing, Posting, & Calculating Machine Operators	15	16	1	2	3
All Other Office Machine Operators	20	21	1	2	3
Switchboard Operators	7	7	0	1	1
Stock Clerks - Stockroom, Warehouse, or Yard	94	102	8	4	12
Traffic, Shipping, & Receiving Clerks	26	27	1	1	2
All Other Material Recording/Scheduling/Dist.	20	22	2	2	4
All Other Clerical & Administrative Support	12	12	0	0	0
SERVICE OCCUPATIONS	1,983	2,267	284	342	626
First Line Supers. & Mgrs./Supers. - Service	64	72	8	12	20
Guards & Watch Guards	19	26	1	0	1
All Other Protective Service Workers	1	1	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	74	85	11	16	27
Bartenders	95	109	14	14	28
Waiters & Waitresses	546	629	83	121	204
Dining Room/Cafeteria Attdts., & Bartdr. Helpers	125	144	19	7	26
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	54	60	6	11	17
Bakers, Bread & Pastry	12	12	0	1	1
Butchers & Meat Cutters	47	54	7	5	12
Cooks, Restaurant	205	236	31	32	63
Cooks, Short Order	41	47	6	4	10
Food Preparation Workers	165	189	24	29	53

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YUMA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Combined Food Preparation & Service Workers	316	363	47	56	103
All Other Food Service Workers	79	89	10	10	20
Pharmacy Assistants	5	5	0	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	106	119	13	16	29
All Other Service Workers	29	33	4	7	11
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	960	1,032	72	51	123
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	55	59	4	5	9
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	22	24	2	3	5
Maintenance Repairers, General Utility	37	38	1	1	2
Automotive Mechanics	108	111	3	6	9
Automotive Body & Related Repairers	27	28	1	1	2
Farm Equipment Mechanics	20	22	2	1	3
All Other Mechs./Installers/Repairers	8	9	1	0	1
All Other Mechanics, Installers, & Repairers	78	81	3	1	4
All Construction Trades Workers	7	7	0	0	0
Machinists	17	17	0	1	1
Jewelers & Silversmiths	13	15	2	2	4
Cabinetmakers & Bench Carpenters	29	34	5	2	7
Furniture Finishers	5	5	0	0	0
Custom Tailors & Sewers	8	9	1	1	2
All Machine Operators & Tenders	9	9	0	0	0
Welders & Cutters	9	10	1	0	1
Truck Drivers, Heavy or Tractor Trailer	60	64	4	2	6
Truck Drivers, Light - Incl. Delivery & Route	118	128	10	3	13
Driving Sales Workers	46	52	6	2	8
Service Station Attendants	66	69	3	7	10
Industrial Truck & Tractor Operators	31	34	3	1	4
All Other Material Moving Equipment Operators	4	4	0	0	0
Mechanic & Repairer Helpers	6	6	0	0	0
Freight, Stock, & Material Movers, Hand	119	135	16	9	25
Hand Packers & Packagers	22	24	2	1	3
Vehicle Washers & Equipment Cleaners	15	15	0	1	1
All Other Helpers & Laborers	21	23	2	1	3
TOTAL OF ALL OCCUPATIONS	6,461	7,214	753	807	1,560

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Marking Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
Cooks, Institution or Cafeteria
Cooks, Specialty Fast Food

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Motorcycle Repairers
Mobile Heavy Equipment Mechanics, Exc. Engines
Heating, Air Conditioning, & Refrigeration Mechanics & Installers
Installers/Repairers - Manufactured Buildings
Tire Repairers & Changers

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for the trade industry were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing 4-99 employees and all establishments having 250 or more employees were surveyed. The entire sample was composed of 5,248 firms with a usable response rate of 78 percent. Firms responding represented 90 percent of the industry's employment.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total trade employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national employment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

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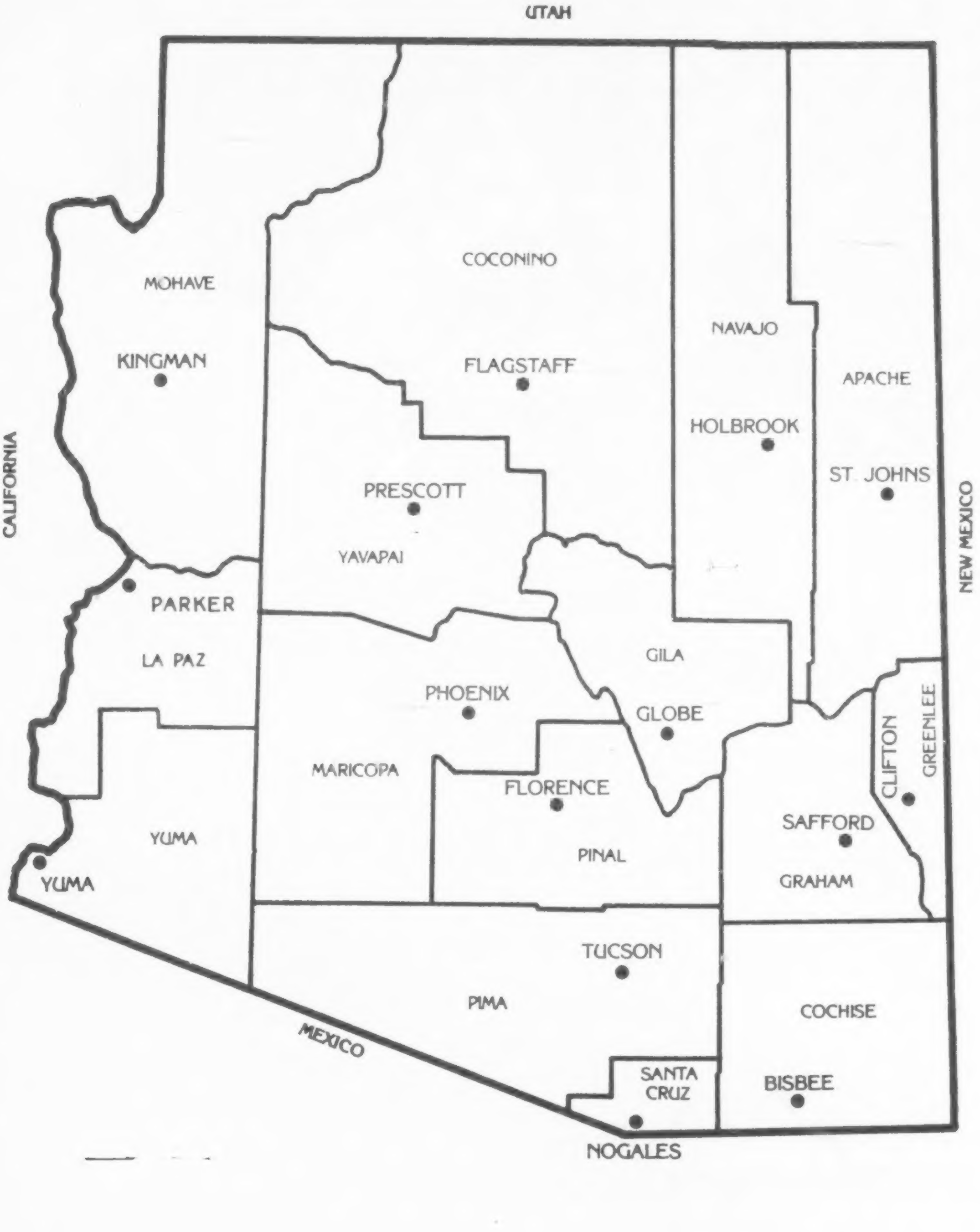
DECEMBER 1987

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

Transportation, Communications, and Public Utilities

Map of Arizona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SANTA CRUZ
BISBEE
NOGALES

OCCUPATIONAL PROFILE

The value of current occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This *Occupational Profile* is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for over 700 occupations in Arizona. From these surveys, which required the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The *Occupational Profiles* contain the survey findings and examine, individually, the following industries of Arizona:

Construction
Educational Services
Finance, Insurance, and Real Estate
Government
Hospitals
Lodging
Manufacturing
Mining
Services
Trade
Transportation, Communications, and Public Utilities

For further information, requests, or to comment on any aspect of this program, please write to Arizona Department of Economic Security, Research Administration.

Labor Market Information Publications
Occupational Employment Statistics, 733A
P.O. Box 6123
Phoenix, Arizona 85005-6123

INDUSTRY INFORMATION

INDUSTRY DEFINITION

The industry division designated as transportation, communications, and public utilities includes establishments providing passenger and freight transportation, communication services, and electricity, gas, steam, water, or sanitary services.

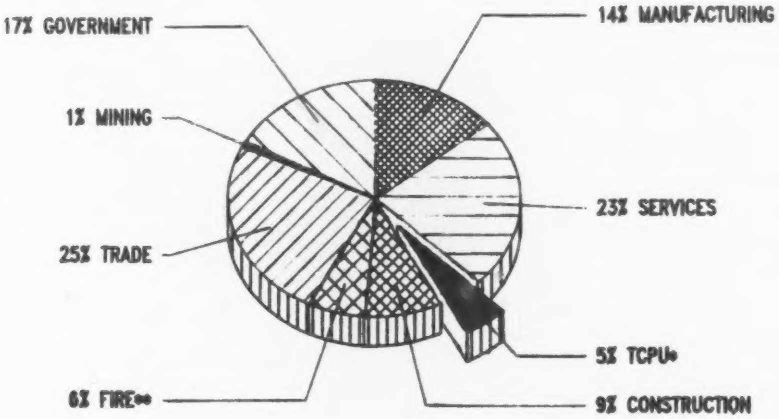
A detailed description of these industries is found in the *Standard Industrial Classification (SIC) Manual* under codes 40 through 49. Employment data for the U.S. Postal Service (SIC code 43) is not included in this publication. In addition, the occupational data includes certain services rendered by state and local government, e.g., irrigation.

Often referred to as the regulated industries, transportation, communications, and public utilities are grouped together because they provide a public service and are often owned or regulated by public agencies. The regulations vary from industry to industry, but, in general, their goals are to ensure fair prices and to see that the public interest is served.

INDUSTRY CHARACTERISTICS

Employing approximately 66,000 in 1986, the transportation, communications, and public utilities (TCPU) industry accounts for about 5 percent of Arizona's 1.3 million workers earning a wage or salary. Employment in transportation services totals more than 30,000, while those working in the public utilities and communication industries combine for the balance.

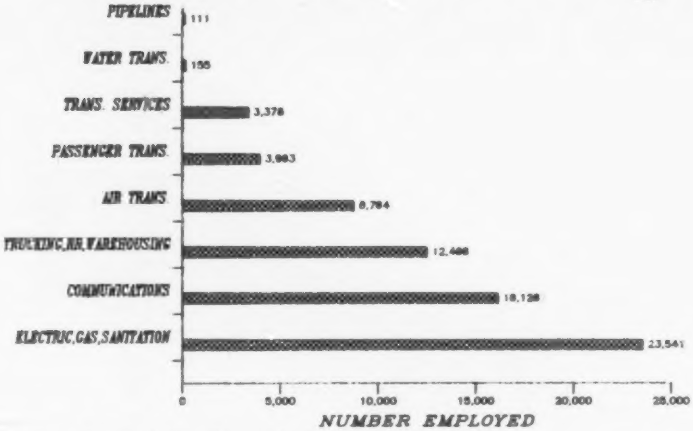
ARIZONA NONAGRICULTURAL EMPLOYMENT
1986



* TCPU = TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
**FIRE = FINANCE, INSURANCE, AND REAL ESTATE

Predominant in the transportation industry is trucking, which accounts for 39 percent of the sector's employment. At the other extreme is pipeline transportation of coal slurry or petroleum, and water transportation firms, many of which provide sightseeing and river running trips and excursions on the Colorado River.

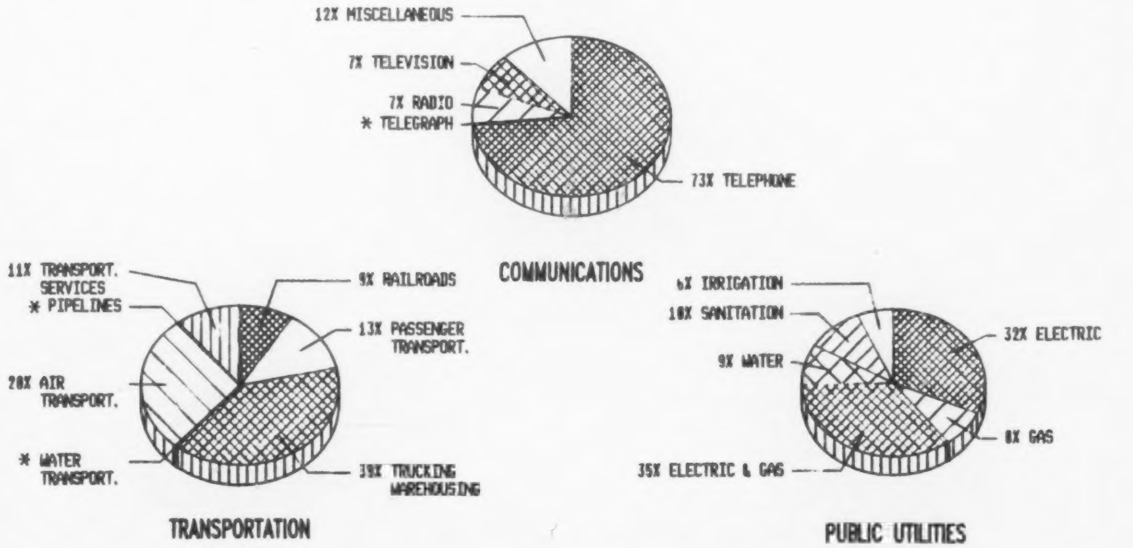
ARIZONA EMPLOYMENT IN TCPU - 1986



TCPU = Transportation, Communications, and Public Utilities

The public utilities sector includes providers of water, electricity, gas, and sanitary services. In this category, three of every four workers are involved in the production and distribution of energy. And lastly, in the communication services sector, telephone workers likewise claim 73 percent of the total.

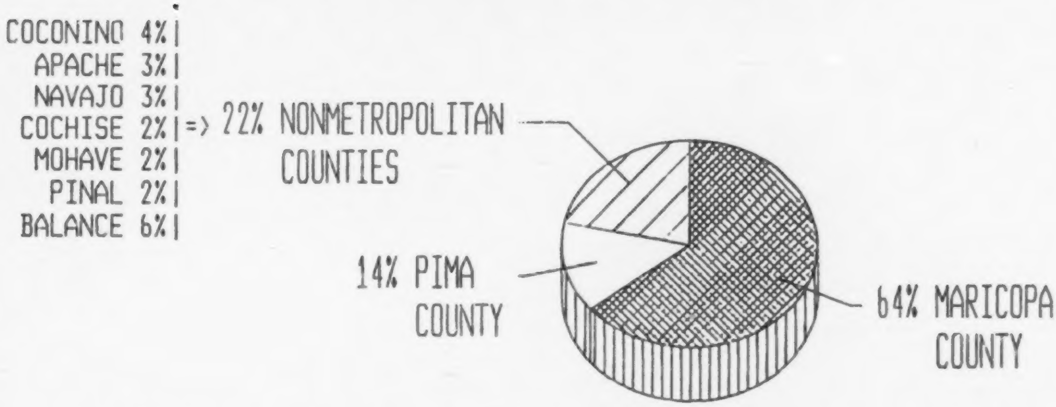
EMPLOYMENT DISTRIBUTION WITHIN TCPU
1986



* Water Transportation, Pipelines, and Telegraph represent .5%, .4%, and .3%

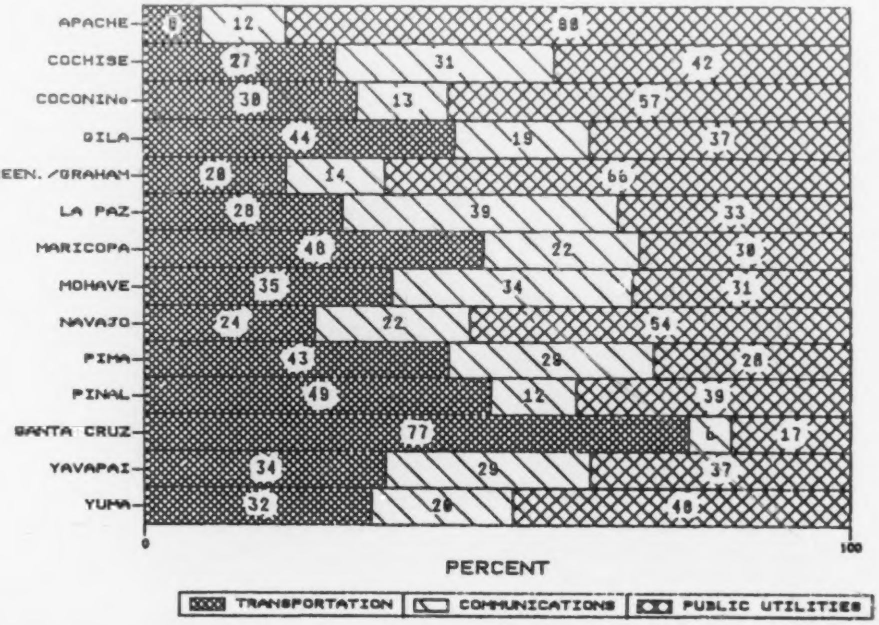
Geographically, two-thirds of Arizona's TCPU employment is located in Maricopa County where communications and transportation services are concentrated. About 65 percent of the state's communications employees and 75 percent of the employment in the airline and trucking industries are located in the Phoenix metropolitan area. In addition to requiring the services of these industries to satisfy the needs of its population, the state's major population center is also the administrative center for many firms in the industry.

GEOGRAPHIC DISTRIBUTION OF TCPU EMPLOYMENT



TCPU employment in several of the nonmetropolitan counties is dominated by public utilities as indicated by the following graph. Power generating plants in Apache, Coconino, and Navajo counties contribute a great deal to TCPU employment. Dominant in Santa Cruz County is the transportation sector with a high number of truck drivers who service the trade center of Nogales on the U.S.-Mexico border.

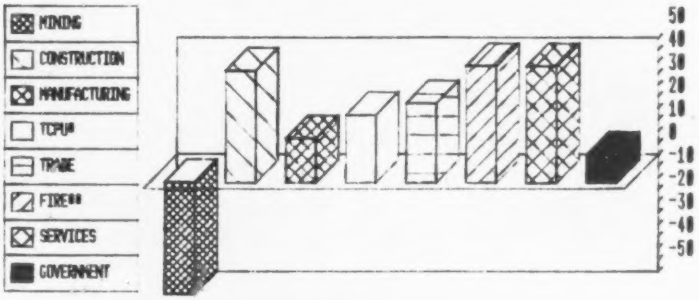
DISTRIBUTION OF TCPU IN ARIZONA'S COUNTIES



INDUSTRY TRENDS

Characterized by consistent and predictable growth as it responds to the needs of a growing population and expanding economy, employment in TCPU increased by more than 70 percent during the decade of the 1970s. Although falling short of the average growth rate for all industries, TCPU boasts a year-to-year consistency unmatched by any other major industry division. Even during the most recent recession, TCPU managed a 10 percent employment increase for the period 1980-1982, while the change for all Arizona industries averaged a mere 1.5 percent.

EMPLOYMENT PERCENTAGE CHANGE IN ARIZONA'S INDUSTRIES
1980-1986

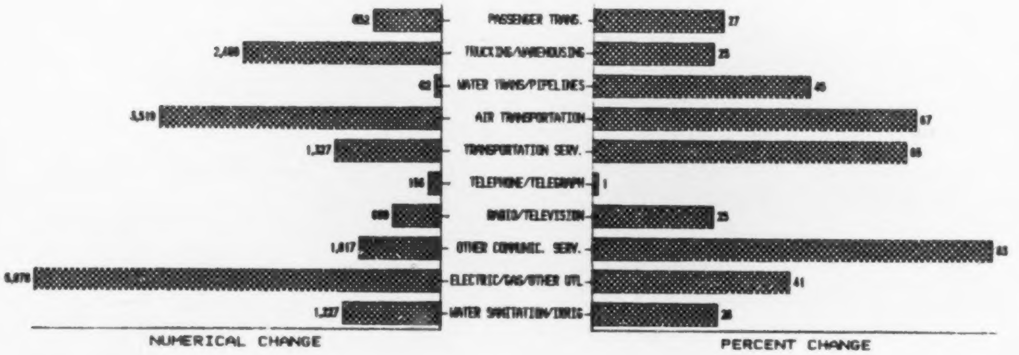


*TCPU-TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
**FIRE-FINANCE, INSURANCE, AND REAL ESTATE

Continuing a trend established in the 1970s, employment in public utilities expanded 37 percent between 1980 and 1986. The producers and distributors of gas registered the highest growth rate, although firms which provide both electric and gas services accounted for the largest employment increase.

Also continuing a trend of strong growth is employment in transportation services, for the most part, as a result of deregulation in 1978. Employment growth in Arizona's air transportation industry increased a robust 67 percent between 1980 and 1986 as carriers expanded services to

EMPLOYMENT CHANGE IN TCPU
1980 -1986



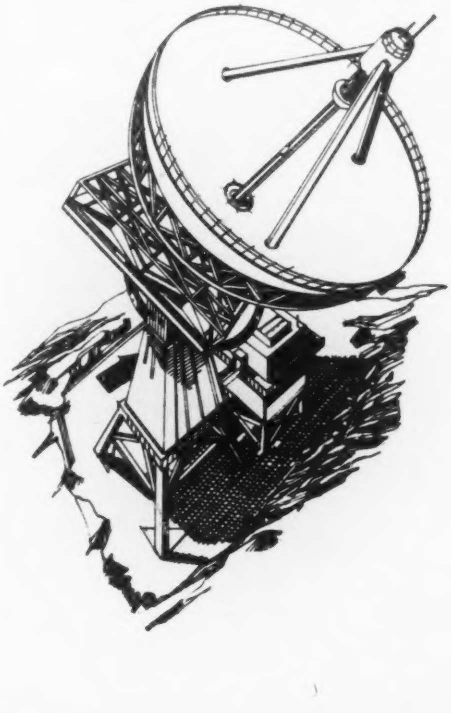
the lucrative sunbelt routes. Also registering strong growth were transportation services, led by employment in travel agencies and other businesses providing travel information.

As a group, communication services employment shows modest expansion, especially when compared to growth rates established in the early 1970s. Yet, divisions within communication services experience a wide range of growth rates. For example, employment in firms providing telephone services has remained virtually unchanged since 1980, while providers of miscellaneous communications services, such as cable television services, have seen their numbers nearly double in the six years since 1980.

Through the end of the decade, the transportation industry, which is dominated by employment in motor freight services, will respond to the requirements of the state's expanding economy and the heightened profile of Phoenix and Tucson as regional trade and manufacturing centers. Determined to a large degree by the health of the national economy, however, employment in trucking and in air traffic will react to the cyclical swings of the economy. Over the longer term, however, employment in these sectors will weather cyclical economic cycles. Expected growth in airline passenger and cargo traffic will also counter the potential impact of advanced communications systems that may limit growth in business travel by corporate executives.

In public utilities, employment growth relates primarily to increasing consumption of electricity, gas, and water. Reflecting the industry's capital-intensive nature, however, output and productivity increases are not matched by employment increases of the same magnitude. For example, due to the use of automatic controls and larger more efficient equipment, employment does not increase as fast as the production of electric power.

In communication services, certain sectors will continue to register strong employment growth. Because of technological achievements, however, employment expansion will likely not be as great as might be suggested by the ever-increasing variety of available communication services and the number of subscribers to these services. More assured, though, is the dynamic era that the communication industry has already entered. The structure of the telephone industry, for example, is continuing to change as a result of competition, regulatory reform, and the application of new technology.

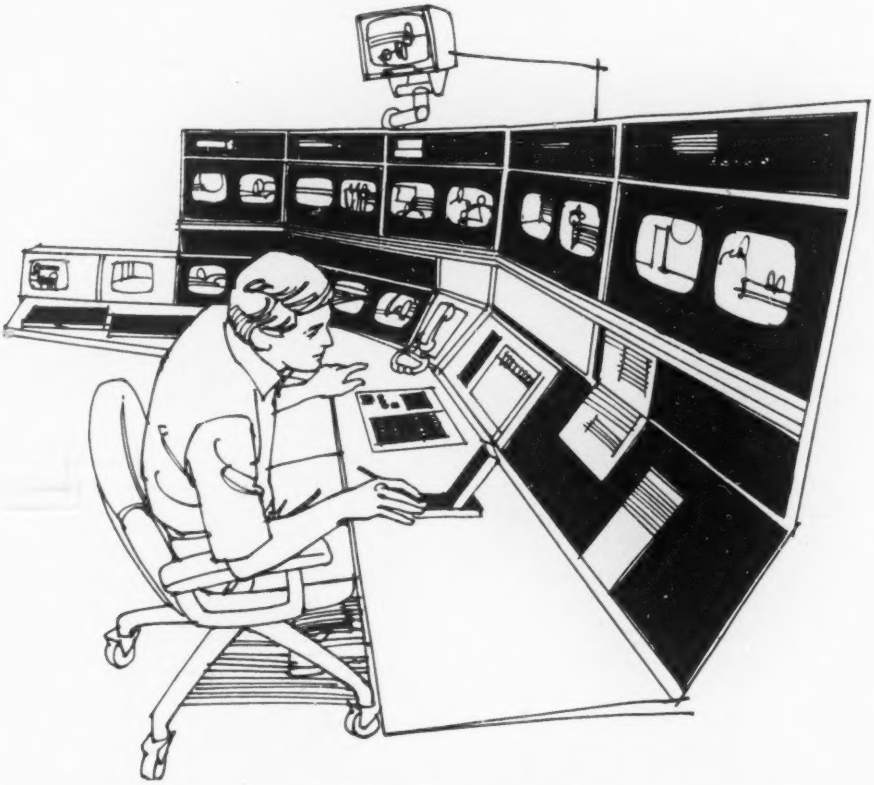


For the balance of the decade, data communications will grow faster than the traditional voice services.

Digital electronic switching, satellite communications, local data networks, and fiber-optic transmission are paving the way for a variety of new data communication services, such as electronic mail, on-line information systems, and many high-speed business communication services. As business offices become more automated, data transmissions will grow accordingly.

A similar restructuring is also taking place in television and radio broadcasting. Challenging the dominance of network programming is subscription TV and other services brought about by significant technical advances made during recent years. With the advent of communications satellites, cable television has realized significant increases in viewership. In the wings are other program distribution systems vying for acceptance in this rapidly changing arena. One of these is the multiple distribution service (MDS) which relays TV signals from a central station to receivers installed in hotels, office buildings, and individual residences. And then there is the direct broadcast satellite service (DBS) which, as currently conceived, would relay signals directly to receivers of individual subscribers in the home or workplace.

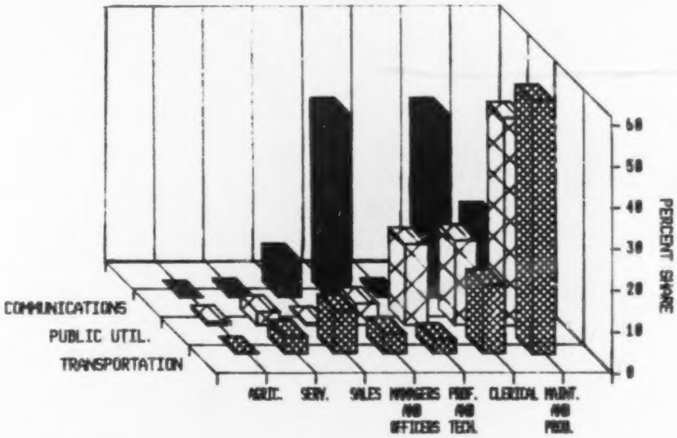
Yet to be exploited are the nonentertainment uses of cable systems, such as for two-way communications, data bank access, and alarm systems. Currently, in response to the public's demand for entertainment and sports programming, the industry is focusing on responding to the market's demand for these ancillary services.



OCCUPATIONAL INFORMATION

Maintenance and production workers dominate employment in transportation, communications, and public utilities. This dominance reflects the numerous truck drivers in the transportation industry and mechanics, installers, and repairers, also prominent in the public utilities sector. The largest single occupation in TCPU is, in fact, tractor trailer truck drivers with employment of 4,500. Other prevalent occupations in this group are bus drivers, delivery and route workers, mechanics, and electrical powerline installers and repairers.

MAJOR OCCUPATIONAL CATEGORIES IN TCPU
1986



Clerical workers represent the second largest occupational group with employment of 15,000 in 1985. Especially concentrated in firms providing communication services, clerical workers are common to all industries, and, for this reason, employment of general office clerks trails only truck drivers, managers, and travel agents. Also numerically prominent in the communication industry are customer service representatives and central office operators (switchboard operators)--further contributing to the size of the clerical category.

Trailing clerical workers is employment of professionals with 12 percent of the industry's total. Most numerous in this category are electrical and electronic engineers, radio and television announcers, and emergency medical technicians.

The occupational distribution of Arizona's TCPU employment, as shown above is consistent with the state's two major metropolitan counties. However, with fewer regional offices and administrative complexes, the "balance of state" or nonmetropolitan counties employ a significant number of maintenance and production workers and fewer clerical personnel.

Employment in each of the seven major occupational classes will continue to expand--although at different rates. Professional and technical occupations will increase their share of total industry employment, while clerical and production workers will likely lose. Although its share is decreasing, production and maintenance occupations will continue to provide nearly half of the industry's employment. As in other industries, however, employment increases created by a growing demand for services are being tempered by development of more efficient equipment and procedures. These dynamics are particularly evident in maintenance and production occupations, where technological innovation is bringing greater productivity.

OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES

	Employment May 1985	Job Openings* 1985-1989
Truck Drivers, Heavy or Tractor Trailer	4,463	1,068
Truck Drivers, Light-Inc. Delivery and Route	2,119	503
Transportation, Communications, and Utilities Operations Mgrs.	1,767	228
Travel Agents	1,680	532
General Office Clerks	1,282	345
Customer Service Representatives, Utilities	1,233	326
Electrical Powerline Installers and Repairers	1,189	184
Bookkeeping, Accounting, and Auditing Clerks	1,117	291
Bus Drivers	1,059	311
First Line Mgrs./Supvs. - Mechanics/ Installers/Repairers	1,042	188
Central Office/PBX Installers/Repairers	980	137
Secretaries	974	257
Sales Agents, Selected Business Services	936	224
Reservation and Transportation Ticket Agents	926	284
Telephone/Cable TV Line Installers/Repairers	839	101
General Managers and Top Executives	809	141
Stock Clerks - Stockroom, Warehouse, or Yard	787	144
First Line Supvs. and Mgr./Supvs. - Clerical	784	148
Transportation Agents, Material Distribution	781	251
Dispatchers - Ex. Police, Fire, and Ambulance	764	137
Mechanic and Repairer Helpers	732	117
Bus and Truck Mechanics and Diesel Engine Specialists	690	145
Electrical and Electronic Engineers	687	69
Announcers, Radio and Television	662	101
Central Office Operators	636	217
Adjustment Clerks	636	172
Railroad Brake, Signal, and Switch Operators	615	185
Machinery Maintenance Mechanics, Water and Power Generation Plants	602	105
Emergency Medical Technicians	551	207
Aircraft Mechanics	497	95
Maintenance Repairers, General Utility	497	71

* Does not include turnover.

The industry's largest occupational group, production and maintenance workers, will total nearly 32,000 in 1989--up from 28,000 in 1985. Job opportunities resulting from this growth and the separation of workers from the labor force will total nearly 6,000 during this period. Demand for truck drivers, alone, will create 1,600 of these openings--by far the strongest demand for any occupation in the industry. Heavy or tractor-trailer drivers outnumber light-duty drivers two-to-one and will also account for about twice as many job openings. It is expected, however, that drivers who haul locally will see their numbers increase more rapidly than long-distance haulers as trucks carry virtually all local freight.

The second largest production and maintenance occupation, electrical powerline installers and repairers, will account for 1,300 workers in 1989. Despite the demand for telephone services and electricity, employment levels will not likely mirror growth in demand for electricity because of technological advances. Demand for line workers, for example, will be suppressed by the use of microwave, fiber optics, and other technologies that require less maintenance. Employment of telephone line installers and repairers, likewise, is affected by the increasing construction of pre-wired buildings, and the modular assembly of telephones.

Clerical occupations account for one of every four employees in TCPU. These occupations are especially prevalent in the communications industry, where, led by customer service representatives and central office operators, they account for nearly half of all employment. Central office operators, however, will see their share of the industry's total employment continue to shrink rapidly. Nationally, employment of central office operators continues to decline--a trend which began more than 25 years ago. In Arizona, increased service demand will somewhat offset reduced labor requirements brought about by such technological innovations as computer-assembled speech.

Openings for clerical occupations will, nonetheless, be a source of a substantial number of job opportunities. Turnover is relatively high in these occupations and many openings will result as employees leave one position to take another.

Representing the largest professional occupation and underlying the increasing share of professional and technical workers in Arizona's TCPU industry is the number of workers with engineering skills. Contributing to this evolution is the introduction of nuclear power generation in Arizona. According to the Bureau of Labor Statistics, nearly half of the nation's nuclear industry work force are engineers, scientists, and technicians.

Other activities in electric power generation that require engineering skills include research and development; system planning; design, construction, and installation; system operation and maintenance; and test engineering.

In the communications industry, engineers plan cable and microwave routes, central office and PBX equipment installations, and communication systems for new buildings, as well as engage in the development of new equipment.

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state. Graham and Greenlee counties have been combined to avoid disclosure of information about a single firm and because of their close proximity, similar economies, and size.

When using the data, please note the following:

1. Industry employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2. The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3. Total job openings represent the number of openings due to growth of the industry and separation from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4. To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate, or two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5. The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

6. Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	3,693	6.2	3,964	491
Financial Managers	224	.4	232	21
Personnel, Training, & Labor Relations Mgrs.	86	.1	88	6
Purchasing Managers	44	.1	44	1
Marketing, Advertising, & Public Rel. Mgrs.	233	.4	243	28
Administrative Services Managers	138	.2	141	13
Engineering, Mathematical, & Natural Sciences Mgrs.	160	.3	167	21
Transportation, Communications, & Utilities Operations Managers	1,767	2.9	1,920	228
General Managers & Top Executives	809	1.3	883	141
All Other Managers & Administrators	232	.4	246	32
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	6,944	11.6	7,385	965
Management Support Occupations	1,102	1.8	1,158	158
Accountants & Auditors	292	.5	307	43
Budget Analysts	68	.1	70	9
All Other Financial Specialists	68	.1	70	6
Purchasing Agents, Exc. Wholesale, Retail, & Farm	117	.2	121	13
Personnel, Training, & Labor Rel. Specialists	158	.3	164	15
All Other Management Support Workers	399	.7	426	72
Engineers & Related Occupations	2,424	4.0	2,560	249
Engineers	10	.0	11	1
Chemical Engineers	35	.1	35	1
Nuclear Engineers	27	.0	28	2
Civil Engineers, Incl. Traffic	121	.2	128	18
Electrical & Electronic Engineers	687	1.1	726	69
Industrial Engineers, Exc. Safety	67	.1	69	6
Safety Engineers, Exc. Mining	27	.0	27	0
Mechanical Engineers	172	.3	182	18
All Other Engineers	60	.1	64	6
Surveying & Mapping Scientists	26	.0	26	0
Engineering & Related Technicians & Technologists	5	.0	5	0
Civil Engineering Technicians & Technologists	66	.1	68	7
Electrical/Electronic Engineering Technicians	424	.7	452	44
Mechanical Engineering Techs.	91	.2	97	7
Drafters	191	.3	203	22
Estimators & Drafters, Utilities	153	.3	160	16
Surveying & Mapping Techs.	87	.1	91	7
All Other Engineering & Related Technicians	175	.3	188	25
Natural Scientists & Related Workers	141	.2	147	11
Geologists, Geophysicists, & Oceanographers	41	.1	42	2
All Other Physical Scientists	38	.1	42	5
Life Scientists	44	.1	45	4
Physical & Life Science Technicians & Technologists	18	.0	18	0
Computer, Math, Research, & Related Occupations	560	.9	585	51
Systems Analysts, Electronic Data Processing	221	.4	231	15
Computer Programmers	139	.2	145	10
Computer Programmer Aides	139	.2	146	17
Mathematical Scientists	54	.1	56	9
All Other Mathematical Scientists	7	.0	7	0
Social Scientists & Religious Occupations	30	.1	31	2
Social Scientists, Incl. Urban & Regional Planners	30	.1	31	2
Law & Related Occupations	23	.0	23	1
Lawyers	23	.0	23	1
Teachers, Educators, Librarians, & Related Occupations	85	.1	92	16
Teachers & Instructors, Voc. Ed. & Training	45	.1	51	13
Farm & Home Management Advisors	40	.1	41	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Health Practitioners, Technicians, & Related	586	1.0	673	214
Emergency Medical Technicians	551	.9	637	207
All Other Health Professionals, Paraprofessionals, & Technicians	35	.1	36	7
Writers, Artists, Athletes, & Related	1,633	2.7	1,734	222
Writers & Editors	53	.1	53	6
Public Rel. Specialists & Publicity Writers	103	.2	105	12
Reporters & Correspondents	148	.2	156	33
Broadcast News Analysts	100	.2	105	9
Announcers, Radio & Television	662	1.1	723	101
Photographers	71	.1	74	9
Camera Operators, Television & Motion Picture	65	.1	67	5
Broadcast Technicians	293	.5	309	29
Film Editors	37	.1	38	7
Artists & Related Workers	22	.0	22	1
Producers, Directors, Actors, & Entertainers	79	.1	82	10
Other Professional, Paraprofessional, & Technical	360	.6	382	41
Radio Operators	7	.0	7	0
All Other Professional, Paraprofessional, & Technical Workers	353	.6	375	41
SALES & RELATED OCCUPATIONS	4,282	7.1	4,816	1,120
First Line Supervisors & Manager/Supervisors	336	.6	366	64
Sales Occupations, Services	3,048	5.1	3,458	834
Sales Agents, Selected Business Services	936	1.6	1,027	224
Travel Agents	1,680	2.8	1,972	532
Sales Agents, Advertising	432	.7	459	78
Sales Occupations, Merchandise & Related	898	1.5	992	222
Cashiers	187	.3	199	38
All Other Sales & Related Workers	711	1.2	793	184
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	14,920	24.9	16,302	3,614
First Line Supervisors & Manager/Supervisors	784	1.3	851	148
Industry Specific Clerical & Administrative Support	1,684	2.8	1,897	471
Credit Authorizers	12	.0	12	2
Credit Managers	11	.0	11	1
Adjustment Clerks	636	1.1	682	172
Bill & Account Collectors	88	.1	91	10
Travel Clerks	11	.0	11	2
Reservation & Transportation Ticket Agents	926	1.5	1,090	284
Selected Secretarial & General Office Occupations	6,370	10.6	6,891	1,670
Secretaries	974	1.6	1,049	257
Stenographers	66	.1	68	14
Receptionists & Information Clerks	310	.5	352	95
Typists	271	.5	288	79
Typists, Word Processing Equipment	85	.1	88	11
Personnel Clerks, Exc. Payroll & Timekeeping	106	.2	110	25
Correspondence Clerks	18	.0	18	2
File Clerks	33	.1	34	5
Order Clerks - Materials, Merch., & Service	206	.3	226	59
Statistical Clerks	237	.4	250	62
Customer Service Representatives, Utilities	1,233	2.1	1,314	326

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Bookkeeping, Accounting, & Auditing Clerks	1,117	1.9	1,231	291
Payroll & Timekeeping Clerks	99	.2	103	13
Billing, Cost & Rate Clerks	333	.6	366	86
General Office Clerks	1,282	2.1	1,394	345
Electronic Data Processing & Other Office Machine Occupations	677	1.1	714	96
Billing, Posting, & Calculating Machine Opers.	80	.1	82	6
Computer Operators, Exc. Peripheral Equipment	125	.2	131	12
Peripheral EDP Equipment Operators	151	.3	160	41
Data Entry Keyers, Exc. Composing	301	.5	321	34
All Other Office Machine Operators	20	.0	20	3
Communications, Mail, & Message Distribution	1,284	2.1	1,382	406
Switchboard Operators	244	.4	267	76
Directory Assistance Operators	337	.6	355	103
Central Office Operators	636	1.1	689	217
All Other Communication Equipment Operators	36	.1	39	8
Mail Clerks, Exc. Mail Machine Operators & Postal Service	14	.0	14	1
Messengers	17	.0	18	1
Material Distribution & Recording Occupations	3,904	6.5	4,332	802
Dispatchers - Police, Fire, & Ambulance	61	.1	70	14
Dispatchers - Exc. Police, Fire, & Ambulance	764	1.3	853	137
Production, Planning, & Expediting Clerks	232	.4	247	58
Transportation Agents	781	1.3	929	251
Meter Readers, Utilities	396	.7	417	39
Stock Clerks - Stockroom, Warehouse, or Yard	787	1.3	861	144
Traffic, Shipping, & Receiving Clerks	352	.6	391	67
All Other Material Recording/Scheduling/Dist.	531	.9	564	92
All Other Clerical & Administrative Support	217	.4	235	21
SERVICE OCCUPATIONS	1,731	2.9	1,928	449
First Line Supers. & Mgrs./Supers. - Service	63	.1	67	11
Protective Service Occupations	283	.5	298	25
Detectives & Investigators, Exc. Public	12	.0	12	0
Railroad & Transit Police & Special Agents	33	.1	37	4
Guards & Watch Guards	238	.4	249	21
Food & Beverage Service Occupations	35	.1	37	7
Health Service & Related Occupations	82	.1	93	20
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	82	.1	93	20
Cleaning & Building Service Occupations, Exc. Private Households	484	.8	519	102
Selected Personal Service Occupations	728	1.2	857	277
Guides	144	.2	166	50
Baggage Porters & Bellhops	219	.4	259	54
Flight Attendants	360	.6	427	172
Transportation Attendants, Exc. Flight & Baggage	5	.0	5	1
All Other Service Occupations	56	.2	57	7
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	143	.2	150	22

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	28,242	47.1	31,731	5,780
First Line Supervisors & Manager/Supervisors-Maintenance/Production/Construction	1,971	3.3	2,152	421
First Line Managers/Supervisors - Mechanics/Installers/Repairers	1,042	1.7	1,114	188
First Line Managers/Supervisors - Construction Trades & Extraction Workers	280	.5	307	48
First Line Mgrs./Supers. - Transport. Operatives	378	.6	433	118
First Line Mgrs./Supers. - Laborers & Helpers	110	.2	128	38
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	161	.3	170	29
Inspectors & Related Occupations	179	.3	194	28
Precision Inspectors, Testers, & Graders	58	.1	60	5
Transportation Inspectors	34	.1	37	4
All Other Inspectors, Testers, & Related	87	.1	97	19
Mechanics, Installers, & Repairers	8,614	14.4	9,366	1,264
Machinery Maintenance Mechanics, Water & Power Generation Plants	602	1.0	663	105
All Other Machinery Maintenance Mechanics	223	.4	235	24
Machinery Maintenance Workers	141	.2	152	26
Maintenance Repairers, General Utility	497	.8	538	71
Automotive Mechanics	347	.6	378	46
Bus & Truck Mechs., & Diesel Eng. Specialists	690	1.2	787	145
Mobile Heavy Equip. Mechanics, Exc. Engines	35	.1	38	3
Rail Car Repairers	55	.1	64	17
Aircraft Mechanics	497	.8	569	95
Aircraft Engine Specialists	106	.2	120	16
Central Office & PBX Installers & Repairers	980	1.6	1,044	137
Frame Wirers, Central Office	144	.2	150	12
Telegraph & Teletype Installers & Maintainers	12	.0	12	0
Signal or Track Switch Maintainers	119	.2	141	33
Radio Mechanics	203	.3	213	20
All Other Communication Equipment Mechanics/Installers/Repairers	46	.1	47	1
Telephone & Cable TV Line Installers/Repairers	839	1.4	901	101
Electric Motor, Transformer, & Rel. Repairers	25	.0	26	1
Electronics Repairers, Commercial & Ind. Equip.	254	.4	270	26
Powerhouse, Substation, & Relay Electricians	207	.3	223	24
Electrical Powerline Installers & Repairers	1,189	2.0	1,286	184
Station Installers & Repairers, Telephone	421	.7	452	49
Electrical Installers & Repairers, Transportation Equipment	117	.2	137	27
All Other Electrical Mechs./Installers/Repairers	236	.4	248	26
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	29	.0	30	2
Precision Instrument Repairers	102	.2	109	14
Electric Meter Installers & Repairers	150	.3	157	12
Mechanical Control & Valve Installers & Repairers	79	.1	83	5
Gas Appliance Repairers	97	.2	103	14
Tire Repairers & Changers	42	.1	48	10
All Other Mechanics, Installers, & Repairers	130	.2	142	18
Construction Trades & Extractive Occupations, Exc. Material Moving	791	1.3	881	150
Carpenters	91	.2	100	17
Electricians	212	.4	231	35
Painters & Paperhangers - Construction & Maintenance	40	.1	42	3
Plumbers, Pipefitters, & Steamfitters	77	.1	86	12
Pipelayers	19	.0	20	2
Rail-Track Laying & Maintenance Equip. Opers.	199	.3	237	64
Insulation Workers	18	.0	18	0
All Other Construction Trades Workers	129	.2	141	17
Extraction & Related Workers - Incl. Blasters	6	.0	6	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Precision Production Occupations	162	.3	173	23
Machinists	144	.2	154	22
All Other Precision Workers	18	.0	19	1
Machine Setters, Operatives, & Tenders	82	.1	87	9
Boiler Operators & Tenders, Low Pressure	8	.0	8	0
Painters, Transportation Equipment	47	.1	51	7
All Machine Setters & Set-Up Operators	10	.0	10	1
All Other Machine Operators & Tenders	17	.0	18	1
Hand Working, Inc. Assemblers & Fabricators	403	.7	442	70
Welders & Cutters	365	.6	401	65
All Other Hand Workers	38	.1	41	5
Plant & System Occupations	1,136	1.9	1,237	199
Water & Liquid Waste Treatment System Opers.	88	.1	92	5
Gas Plant Operators	135	.2	153	29
Power Generating Plant Opers., Exc. Aux. Equip.	176	.3	194	36
Auxiliary Equipment Operators, Power	245	.4	276	61
Power Reactor Operators	70	.1	73	8
Power Distributors & Dispatchers	194	.3	204	23
Stationary Engineers	24	.0	25	3
All Other Plant & System Operators	204	.3	220	34
Transportation & Material Moving Machine & Vehicle Operators	10,674	17.8	12,428	2,675
Truck Drivers, Heavy or Tractor Trailer	4,463	7.4	5,209	1,068
Truck Drivers, Light - Incl. Delivery & Route	2,119	3.5	2,473	503
Bus Drivers	1,059	1.8	1,237	311
Bus Drivers, School	76	.1	88	21
Taxi Drivers & Chauffeurs	307	.5	352	85
Railroad Conductors & Yardmasters	290	.5	345	103
Locomotive Engineers	288	.5	343	119
Rail Yard Engineers, Dinkey Opers. & Hostlers	32	.1	37	11
Locomotive Firers	98	.2	117	26
Railroad Brake, Signal, & Switch Operators	615	1.0	733	185
All Other Rail Vehicle Opers. & Controllers	28	.0	31	5
Aircraft Pilots & Flight Engineers	422	.7	493	90
Service Station Attendants	77	.1	84	10
All Other Transportation & Related Workers	271	.5	312	69
Crane & Tower Operators	43	.1	45	4
Industrial Truck & Tractor Operators	273	.5	302	42
Operating Engineers	100	.2	106	11
All Other Transportation & Moving Equip. Operators	26	.0	28	2
All Other Material Moving Equipment Operators	87	.1	93	10
Helpers, Laborers, & Material Movers, Hand	4,230	7.0	4,771	941
Mechanic & Repairer Helpers	732	1.2	777	117
Helpers - Electricians & Powerline Installers	487	.8	533	94
Helpers - All Other Construction Trades	421	.7	471	94
Refuse Collectors	482	.8	570	114
Hand Packers & Packagers	232	.4	259	49
Vehicle Washers & Equipment Cleaners	134	.2	154	30
All Other Helpers & Laborers	1,742	2.9	2,007	443
TOTAL OF ALL OCCUPATIONS	59,955	100.0	66,276	12,441

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Small Engine Specialists

All Other Construction Trades Workers
Pipelaying Fitters

All Other Rail Vehicle Opers. & Controllers
Subway & Streetcar Operators

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

APACHE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	63	65	2	0	2
Financial Managers	5	5	0	0	0
Personnel, Training, & Labor Relations Mgrs.	5	5	0	0	0
Transportation, Communications, & Utilities Operations Managers	20	22	2	0	2
General Managers & Top Executives	15	15	0	0	0
All Other Managers & Administrators	18	18	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	184	196	12	3	15
Accountants & Auditors	23	26	3	3	6
All Other Financial Specialists	7	7	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	7	7	0	0	0
Personnel, Training, & Labor Rel. Specialists	8	8	0	0	0
All Other Management Support Workers	6	6	0	0	0
Electrical & Electronic Engineers	10	11	1	0	1
Mechanical Engineers	7	8	1	0	1
All Other Engineers	10	10	0	0	0
Civil Engineering Technicians & Technologists	6	6	0	0	0
Electrical/Electronic Engineering Technicians	9	10	1	0	1
Mechanical Engineering Techs.	15	17	2	0	2
Drafters	10	11	1	0	1
Surveying & Mapping Technicians	7	8	1	0	1
All Other Engineering & Related Technicians	11	12	1	0	1
All Physical Scientists	8	8	0	0	0
All Life Scientists	3	3	0	0	0
Physical & Life Science Technicians & Technologists	6	6	0	0	0
All Health Diagnosing & Treating Practitioners	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	30	31	1	0	1
SALES & RELATED OCCUPATIONS	16	17	1	2	3
All Sales Representatives & Salespersons, Service	8	9	1	1	2
Cashiers	5	5	0	1	1
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	235	258	23	26	49
First Line Supers.-Clerical & Admin. Support	11	12	1	1	2
Secretaries	21	23	2	3	5
Receptionists & Information Clerks	8	8	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	7	7	0	0	0
Billing, Cost & Rate Clerks	10	11	1	2	3
General Office Clerks	34	39	5	5	10
All Office Machine Operators	4	4	0	0	0
All Communication Equipment Operators	45	52	7	12	19
Meter Readers, Utilities	16	18	2	1	3
Stock Clerks - Stockroom, Warehouse, or Yard	20	23	3	1	4
Traffic, Shipping, & Receiving Clerks	10	10	0	0	0
All Other Material Recording/Scheduling/Dist.	23	25	2	0	2
All Other Clerical & Administrative Support	26	26	0	1	1
SERVICE OCCUPATIONS	29	30	1	2	3
All Service Supervisors & Managers	3	3	0	0	0
Guards & Watch Guards	6	6	0	0	0
Cleaning and Building Service Occupations	19	20	1	2	3
All Other Service Workers	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

APACHE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,057	1,207	150	77	227
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	38	42	4	3	7
First Line Managers/Supervisors - Construction Trades & Extraction Workers	33	38	5	2	7
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	11	12	1	1	2
All Other Inspectors, Testers, & Related	4	4	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	81	94	13	6	19
Maintenance Repairers, General Utility	60	69	9	4	13
Automotive Mechanics	21	24	3	1	4
Bus & Truck Mechs., & Diesel Eng. Specialists	30	33	3	2	5
All Communication Equipment Mechanics/ Installers/Repairers	30	35	5	2	7
Powerhouse, Substation, & Relay Electricians	12	14	2	0	2
Electrical Powerline Installers & Repairers	43	50	7	3	10
All Other Electrical Mechs./Installers/Repairers	29	32	3	0	3
Precision Instrument Repairers	22	25	3	1	4
Electric Meter Installers & Repairers	6	7	1	0	1
All Other Mechanics, Installers, & Repairers	5	5	0	0	0
Electricians	36	41	5	3	8
Painters & Paperhangers - Construction & Maintenance	9	9	0	0	0
Plumbers, Pipefitters, & Steamfitters	6	7	1	0	1
All Other Construction Trades Workers	41	47	6	2	8
Machinists	12	13	1	1	2
Welders & Cutters	73	85	12	6	18
Water & Liquid Waste Treatment System Opers.	9	10	1	0	1
Gas Plant Operators	52	60	8	5	13
Power Generating Plant Opers., Exc. Aux. Equip.	30	35	5	3	8
Auxiliary Equipment Operators, Power	76	89	13	10	23
All Other Plant & System Operators	7	8	1	0	1
Truck Drivers, Heavy or Tractor Trailer	86	95	9	5	14
All Other Motor Vehicle Operators	4	4	0	0	0
Operating Engineers	9	10	1	0	1
All Other Material Moving Equipment Operators	2	2	0	0	0
Mechanic & Repairer Helpers	47	54	7	5	12
Helpers - Electricians & Powerline Installers	21	24	3	1	4
Helpers - All Other Construction Trades	77	90	13	8	21
All Other Helpers & Laborers	35	40	5	3	8
TOTAL OF ALL OCCUPATIONS	1,584	1,773	189	110	299

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
  Sales Agents, Selected Business Services

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Communication Equipment Operators
  Central Office Operators

All Other Material Recording/Scheduling/Dist.
  Dispatchers - Exc. Police, Fire, & Ambulance

All Other Clerical & Administrative Support
  Adjustment Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Communication Equipment Mechanics/ Installers/Repairers
  Central Office & PBX Installers & Repairers

All Other Electrical Mechs./Installers/Repairers
  Telephone & Cable TV Line Installers/Repairers
  Station Installers & Repairers, Telephone

All Other Plant & System Operators
  Stationary Engineers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCHISE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	91	97	6	3	9
Financial Managers	5	5	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	11	12	1	1	2
Engineering, Mathematical & Natural Sciences Managers	13	15	2	1	3
Transportation, Communications, & Utilities Operations Managers	41	43	2	0	2
General Managers & Top Executives	16	17	1	1	2
All Other Managers & Administrators	5	5	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	353	396	43	14	57
Accountants & Auditors	11	11	0	0	0
All Other Management Support Workers	10	10	0	0	0
Electrical & Electronic Engineers	55	63	8	2	10
All Other Engineers	12	13	1	0	1
Electrical/Electronic Engineering Technicians	65	75	10	2	12
Drafters	38	44	6	2	8
All Other Engineering & Related Technicians	65	74	9	6	15
All Physical Scientists	1	1	0	0	0
All Life Scientists	2	2	0	0	0
Systems Analysts, Electronic Data Processing	17	19	2	0	2
Computer Programmers	11	12	1	0	1
All Health Professionals, Paraprofessionals, & Technicians	2	2	0	0	0
Announcers, Radio & Television	31	36	5	2	7
All Other Professional, Paraprofessional, & Technical Workers	33	34	1	0	1
SALES & RELATED OCCUPATIONS	22	23	1	1	2
Sales Agents, Selected Business Services	8	8	0	0	0
All Other Sales Representatives & Salespersons, Service	11	12	1	1	2
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	307	328	21	28	49
First Line Supers.-Clerical & Admin. Support	12	13	1	0	1
Secretaries	24	25	1	3	4
Typists	22	25	3	5	8
Customer Service Representatives, Utilities	39	44	5	7	12
Bookkeeping, Accounting, & Auditing Clerks	19	20	1	2	3
Billing, Cost & Rate Clerks	27	29	2	4	6
General Office Clerks	37	39	2	4	6
Computer Operators, Exc. Peripheral Equipment	24	27	3	2	5
All Other Office Machine Operators	6	6	0	0	0
All Communication Equipment Operators	8	8	0	1	1
Dispatchers - Exc. Police, Fire, & Ambulance	24	25	1	0	1
Meter Readers, Utilities	14	15	1	0	1
Stock Clerks - Stockroom, Warehouse, or Yard	32	33	1	0	1
All Other Material Recording/Scheduling/Dist.	5	5	0	0	0
All Other Clerical & Administrative Support	14	14	0	0	0
SERVICE OCCUPATIONS	11	11	0	0	0
All Service Supervisors & Managers	1	1	0	0	0
All Protective Service Workers	4	4	0	0	0
Cleaning & Building Service Occupations, Exc. Private House	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	728	808	83	44	127
First Line Managers/Supervisors - Mechanics/Installers/Repairers	22	24	2	1	3
First Line Mgrs./Supers. - Transport. Operatives	8	8	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	13	14	1	2	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other Inspectors, Testers, & Related	6	6	0	0	0
Maintenance Repairers, General Utility	5	5	0	0	0
Automotive Mechanics	6	6	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	10	11	1	0	1
Mobile Heavy Equip. Mechanics, Exc. Engines	7	8	1	0	1
All Communication Equipment Mechanics/ Installers/Repairers	11	12	1	0	1
Telephone & Cable TV Line Installers/Repairers	38	44	6	1	7
Electric Motor, Transformer, & Rel. Repairers	10	11	1	0	1
Electrical Powerline Installers & Repairers	83	96	13	6	19
All Other Electrical Mechs./Installers/Repairers	64	73	9	1	10
All Other Mechanics, Installers, & Repairers	68	75	7	3	10
Electricians	12	13	1	1	2
All Other Construction Trades Workers	1	1	0	0	0
All Precision Metal Workers	4	4	0	0	0
All Machine Operators & Tenders	2	2	0	0	0
All Hand Workers	4	4	0	0	0
Gas Plant Operators	21	21	3	2	5
Power Generating Plant Opers., Exc. Aux. Equip.	12	14	2	1	3
Auxiliary Equipment Operators, Power	25	29	4	3	7
Power Distributors & Dispatchers	16	18	2	1	3
All Other Plant & System Operators	4	4	0	0	0
Truck Drivers, Heavy or Tractor Trailer	61	67	6	4	10
Truck Drivers, Light - Incl. Delivery & Route	34	37	3	2	5
All Other Motor Vehicle Operators	17	18	1	1	2
All Transportation & Related Workers	5	5	0	0	0
Operating Engineers	8	9	1	0	1
All Other Transportation & Moving Equip. Operators	2	2	0	0	0
Helpers - Electricians & Powerline Installers	53	61	8	5	13
Hand Packers & Packagers	65	72	7	7	14
All Other Helpers & Laborers	31	34	3	3	6
TOTAL OF ALL OCCUPATIONS	1,512	1,663	154	90	244

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
Broadcast Technicians

SALES & RELATED OCCUPATIONS

All Sales Representatives & Salespersons, Service
Travel Agents

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Communication Equipment Mechanics/ Installers/Repairers
Central Office & PBX Installers & Repairers

All Other Electrical Mechs./Installers/Repairers
Electronics Repairers, Commercial & Ind. Equip.
Powerhouse, Substation, & Relay Electricians
Station Installers & Repairers, Telephone
Electrical Installers & Repairers, Transportation Equipment

All Other Mechanics, Installers, & Repairers
Machinery Maintenance Mechanics, Water & Power Generation Plants
Aircraft Mechanics

All Other Motor Vehicle Operators
Bus Drivers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCONINO COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	90	93	3	0	3
Marketing, Advertising, & Public Rel. Mgrs.	5	5	0	0	0
Transportation, Communications, & Utilities Operations Managers	41	43	2	0	2
General Managers & Top Executives	27	28	1	0	1
All Other Managers & Administrators	17	17	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	248	272	24	12	36
Accountants & Auditors	37	40	3	5	8
All Other Financial Specialists	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	8	9	1	1	2
All Other Management Support Workers	5	5	0	0	0
Electrical & Electronic Engineers	18	19	1	0	1
All Other Engineers	12	12	0	0	0
Electrical/Electronic Engineering Technicians	7	8	1	0	1
Mechanical Engineering Techs.	19	22	3	0	3
All Other Engineering & Related Technicians	20	21	1	0	1
All Physical Scientists	28	32	4	1	5
All Physical & Life Science Techs.	2	2	0	0	0
All Social Scientists	1	1	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	15	16	1	3	4
Announcers, Radio & Television	41	48	7	2	9
All Other Professional, Paraprofessional, & Technical Workers	33	35	2	0	2
SALES & RELATED OCCUPATIONS	77	81	4	6	10
First Line Supervisors & Managers - Sales	6	6	0	0	0
Sales Agents, Selected Business Services	16	16	0	0	0
Sales Agents, Advertising	11	12	1	1	2
All Other Sales Representatives & Salespersons, Service	21	23	2	3	5
All Other Sales & Related Workers	23	24	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	322	345	23	28	51
First Line Supers.-Clerical & Admin. Support	17	17	0	0	0
Reservation & Transportation Ticket Agents	56	61	5	7	12
Secretaries	21	21	0	1	1
Personnel Clerks, Exc. Payroll & Timekeeping	7	8	1	1	2
File Clerks	9	9	0	2	2
Customer Service Representatives, Utilities	21	24	3	3	6
Bookkeeping, Accounting, & Auditing Clerks	25	25	0	0	0
General Office Clerks	41	44	3	5	8
All Office Machine Operators	3	3	0	0	0
Central Office Operators	18	21	3	4	7
All Other Communication Equipment Operators	4	4	0	0	0
Dispatchers - Exc. Police, Fire, & Ambulance	6	6	0	0	0
Meter Readers, Utilities	9	10	1	0	1
Stock Clerks - Stockroom, Warehouse, or Yard	32	36	4	3	7
All Other Material Recording/Scheduling/Dist.	15	16	1	1	2
All Other Clerical & Administrative Support	38	40	2	1	3
SERVICE OCCUPATIONS	61	67	6	9	15
First Line Supers. & Mgrs./Supers. - Service	1	1	0	0	0
Cleaning & Building Service Occupations	23	26	3	3	6
Guides	34	37	3	6	9
All Other Service Workers	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,430	1,623	193	101	294
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	38	43	5	3	8
First Line Managers/Supervisors - Construction Trades & Extraction Workers	46	54	8	4	12
First Line Mgrs./Supers. - Transport. Operatives	17	18	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Precision Inspectors, Testers, & Graders	7	8	1	0	1
Machinery Maintenance Mechanics, Water & Power Generation Plants	129	150	21	10	31
Machinery Maintenance Workers	36	42	6	4	10
Bus & Truck Mechs., & Diesel Eng. Specialists	19	20	1	1	2
Central Office & PBX Installers & Repairers	9	10	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	6	6	0	0	0
Telephone & Cable TV Line Installers/Repairers	34	39	5	1	6
Powerhouse, Substation, & Relay Electricians	8	9	1	0	1
Electrical Powerline Installers & Repairers	43	50	7	3	10
Station Installers & Repairers, Telephone	14	16	2	0	2
Precision Instrument Repairers	14	16	2	1	3
Gas Appliance Repairers	7	8	1	0	1
All Other Mechanics, Installers, & Repairers	129	146	17	5	22
Electricians	51	59	8	4	12
All Other Construction Trades Workers	19	21	2	0	2
All Other Construction & Extraction Workers, Exc. Helpers	1	1	0	0	0
Machinists	22	25	3	2	5
Welders & Cutters	60	70	10	5	15
All Other Hand Workers	12	13	1	0	1
Gas Plant Operators	46	53	7	4	11
Power Generating Plant Opers., Exc. Aux. Equip.	36	42	6	4	10
Auxiliary Equipment Operators, Power	53	62	9	7	16
All Other Plant & System Operators	15	16	1	1	2
Truck Drivers, Heavy or Tractor Trailer	191	212	21	13	34
All Other Motor Vehicle Operators	70	75	5	5	10
Aircraft Pilots & Flight Engineers	29	32	3	1	4
All Other Transportation & Related Workers	21	24	3	2	5
All Material Moving Equipment Operators	32	35	3	1	4
Mechanic & Repairer Helpers	14	16	2	0	2
Helpers - All Construction Trades	166	194	28	18	46
All Other Helpers & Laborers	33	35	2	1	3
TOTAL OF ALL OCCUPATIONS	2,228	2,481	253	156	409

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

All Other Managers & Administrators
Financial Managers

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
Civil Engineering Technicians & Technologists

All Health Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

All Other Professional, Paraprofessional,
& Technical Workers
Broadcast Technicians

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
Travel Agents

All Other Sales & Related Workers
Cashiers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Transportation Agents

All Other Clerical & Administrative Support
Payroll & Timekeeping Clerks
Billing, Cost & Rate Clerks

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICTION, AND PUBLIC UTILITIES

COCONINO COUNTY (CONTD.)

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Mechanics, Installers, & Repairers
  - Maintenance Repairers, General Utility
  - Automotive Mechanics
  - Mobile Heavy Equip. Mechanics, Exc. Engines
  - Aircraft Mechanics
  - Aircraft Engine Specialists

- All Other Construction Trades Workers
  - Painters & Paperhangers - Construction & Maintenance
  - Pipelayers

- All Other Motor Vehicle Operators
  - Truck Drivers, Light - Incl. Delivery & Route
  - Bus Drivers
  - Taxi Drivers & Chauffeurs

- All Material Moving Equipment Operators
  - Industrial Truck & Tractor Operators
  - Operating Engineers

- All Other Helpers & Laborers
  - Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

GILA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	23	24	1	0	1
Transportation, Communications, & Utilities Operations Managers	12	13	1	0	1
General Managers & Top Executives	8	8	0	0	0
All Other Managers & Administrators	3	3	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	34	36	2	2	4
All Management Support Workers	5	5	0	0	0
All Engineers	1	1	0	0	0
All Engineering & Related Technicians	1	1	0	0	0
All Physical & Life Science Techs.	5	5	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	12	13	1	2	3
All Other Professional, Paraprofessional, & Technical Workers	10	11	1	0	1
SALES & RELATED OCCUPATIONS	3	3	0	0	0
All Sales Representatives & Salespersons, Service	2	2	0	0	0
All Other Sales & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	58	59	1	3	4
First Line Supers.-Clerical & Admin. Support	4	4	0	0	0
Secretaries	2	2	0	0	0
Customer Service Representatives, Utilities	13	14	1	1	2
General Office Clerks	10	10	0	1	1
All Communication Equipment Operators	6	6	0	1	1
Meter Readers, Utilities	10	10	0	0	0
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical & Administrative Support	10	10	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	161	171	10	5	15
All First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Communication Equipment Mechanics/ Installers/Repairers	5	5	0	0	0
Electrical Powerline Installers & Repairers	26	29	3	1	4
All Other Electrical Mechs./Installers/Repairers	16	16	0	0	0
All Other Mechanics, Installers, & Repairers	17	17	0	0	0
All Plant & System Operators	8	9	1	0	1
Truck Drivers, Heavy or Tractor Trailer	61	67	6	4	10
All Other Motor Vehicle Operators	6	6	0	0	0
All Transportation & Related Workers	3	3	0	0	0
All Material Moving Equipment Operators	5	5	0	0	0
All Helpers & Laborers	9	9	0	0	0
TOTAL OF ALL OCCUPATIONS	279	293	14	10	24

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Health Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

All Other Professional, Paraprofessional,
& Technical Workers
Announcers, Radio & Television

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Bus & Truck Mechs., & Diesel Eng. Specialists

All Other Electrical Mechs./Installers/Repairers
Telephone & Cable TV Line Installers/Repairers

All Other Plant & System Operators
Water & Liquid Waste Treatment System Opers.

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

GRAHAM AND GREENLEE COUNTIES

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	13	13	0	0	0
General Managers & Top Executives	9	9	0	0	0
All Other Managers & Administrators	4	4	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	21	24	3	1	4
All Management Support Workers	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	20	23	3	1	4
SALES & RELATED OCCUPATIONS	4	4	0	0	0
All Sales Representatives & Salespersons, Service	2	2	0	0	0
All Other Sales & Related Workers	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	27	27	0	0	0
Bill & Account Collectors	5	5	0	0	0
Secretaries	2	2	0	0	0
All Office Machine Operators	3	3	0	0	0
All Communication Equipment Operators	3	3	0	0	0
All Material Recording/Scheduling/Dist.	4	4	0	0	0
All Other Clerical & Administrative Support	10	10	0	0	0
SERVICE OCCUPATIONS	3	3	0	0	0
All Cleaning/Building Service, Exc. Private House	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	100	106	6	2	8
All First Line Managers/Supervisors - Maintenance/Production/Construction	13	13	0	0	0
All Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
All Electrical Mechs./Installers/Repairers	8	8	0	0	0
All Mechanics, Installers, & Repairers	16	17	1	0	1
All Construction Trades Workers	13	14	1	0	1
All Hand Workers	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	29	32	3	1	4
All Other Motor Vehicle Operators	5	5	0	0	0
All Material Moving Equipment Operators	1	1	0	0	0
Mechanic & Repairer Helpers	11	12	1	1	2
All Other Helpers & Laborers	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	168	177	9	3	12

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
  Announcers, Radio & Television

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Construction Trades Workers
  Telephone & Cable TV Line Installers/Repairers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

LA PAZ COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	14	15	1	1	2
All Health Professionals, Paraprofessionals, & Technicians	6	6	0	1	1
All Other Professional, Paraprofessional, & Technical Workers	8	9	1	0	1
SALES & RELATED OCCUPATIONS	5	5	0	0	0
All Sales Representatives & Salespersons, Service	2	2	0	0	0
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	12	12	0	0	0
Customer Service Representatives, Utilities	7	7	0	0	0
All Office Machine Operators	1	1	0	0	0
All Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	2	2	0	0	0
SERVICE OCCUPATIONS	8	8	0	1	1
All Food Service Workers	8	8	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	37	40	3	0	3
All First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Communication Equipment Mechanics/ Installers/Repairers	6	7	1	0	1
All Electrical Mechs./Installers/Repairers	24	26	2	0	2
All Other Mechanics, Installers, & Repairers	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	83	87	4	2	6

Confidential Data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

All Other Professional, Paraprofessional,
& Technical Workers
Announcers, Radio & Television

SERVICE OCCUPATIONS

All Other Food Service Workers
Food & Beverage Service Occupations

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Communication Equipment Mechanics/
Installers/Repairers
Central Office & PBX Installers & Repairers

All Electrical Mechs./Installers/Repairers
Electrical Powerline Installers & Repairers
Station Installers & Repairers, Telephone

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	2,610	2,834	224	186	410
Financial Managers	161	169	8	13	21
Personnel, Training, & Labor Relations Mgrs.	66	68	2	4	6
Purchasing Managers	32	32	0	1	1
Marketing, Advertising, & Public Rel. Mgrs.	159	167	8	14	22
Administrative Services Managers	109	112	3	10	13
Engineering, Mathematical & Natural Sciences Mgrs.	118	123	5	12	17
Transportation, Communications, & Utilities Operations Managers	1,360	1,488	128	69	197
General Managers & Top Executives	438	494	56	46	102
All Other Managers & Administrators	167	181	14	17	31
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	4,515	4,782	267	390	657
Accountants & Auditors	155	163	8	17	25
Budget Analysts	62	64	2	7	9
All Other Financial Specialists	50	52	2	3	5
Purchasing Agents, Exc. Wholesale, Retail, & Farm	77	80	3	7	10
Personnel, Training, & Labor Rel. Specialists	121	127	6	9	15
All Other Management Support Workers	289	307	18	36	54
Chemical Engineers	28	28	0	1	1
Nuclear Engineers	27	28	1	1	2
Civil Engineers, Incl. Traffic	105	112	7	11	18
Electrical & Electronic Engineers	412	432	20	21	41
Industrial Engineers, Exc. Safety	63	65	2	4	6
Safety Engineers, Exc. Mining	22	22	0	0	0
Mechanical Engineers	145	153	8	8	16
All Other Engineers	28	29	1	0	1
Surveying & Mapping Scientists	20	20	0	0	0
Civil Engineering Technicians & Technologists	46	47	1	5	6
Electrical/Electronic Engineering Technicians	233	244	11	11	22
Mechanical Engineering Techs.	46	47	1	1	2
Drafters	106	111	5	7	12
Estimators & Drafters, Utilities	131	137	6	9	15
Surveying & Mapping Techs.	54	56	2	3	5
All Other Engineering & Related Technicians	53	55	2	4	6
Geologists, Geophysicists, & Oceanographers	29	30	1	1	2
All Other Physical Scientists	11	11	0	0	0
Life Scientists	36	37	1	3	4
All Other Physical & Life Science Techs.	4	4	0	0	0
Systems Analysts, Electronic Data Processing	152	159	7	5	12
Computer Programmers	108	113	5	4	9
Computer Programmer Aides	136	143	7	10	17
Mathematical Scientists	50	52	2	7	9
Social Scientists, Including Urban & Regional Planners	28	29	1	1	2
Lawyers	18	18	0	1	1
Farm & Home Management Advisors	36	37	1	2	3
All Other Teachers & Instructors	33	39	6	6	12
Health Practitioners, Technicians, & Related	21	21	0	4	4
Emergency Medical Technicians	334	398	64	76	140
All Other Health Professionals, Paraprofessionals & Technicians	10	11	1	2	3
Writers & Editors	34	34	0	5	5
Public Rel. Specialists & Publicity Writers	83	85	2	10	12
Reporters & Correspondents	109	115	6	19	25
Broadcast News Analysts	55	58	3	3	6
Announcers, Radio & Television	282	298	16	19	35
Photographers	46	48	2	4	6
Camera Operators, Television & Motion Picture	33	34	1	2	3
Broadcast Technicians	196	206	10	10	20
Film Editors	23	24	1	4	5
Artists & Related Workers	12	12	0	1	1
Producers, Directors, Actors, & Entertainers	67	70	3	7	10
All Other Professional, Paraprofessional, & Technical Workers	296	317	21	19	40

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
SALES & RELATED OCCUPATIONS	3,214	3,658	444	469	913
First Line Supervisors & Managers - Sales	252	280	28	31	59
Sales Agents, Selected Business Services	701	777	76	109	185
Travel Agents	1,217	1,452	235	178	413
Sales Agents, Advertising	292	307	15	37	52
Cashiers	108	119	11	18	29
All Other Sales & Related Workers	644	723	79	96	175
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	10,415	11,505	1,090	1,688	2,778
First Line Supers.-Clerical & Admin. Support	528	583	55	64	119
Adjustment Clerks	482	521	39	99	138
Bill & Account Collectors	52	54	2	6	8
Reservation & Transportation Ticket Agents	780	930	150	103	253
Secretaries	679	741	62	147	209
Stenographers	46	48	2	9	11
Receptionists & Information Clerks	262	303	41	51	92
Typists	122	129	7	30	37
Typists, Word Processing Equipment	62	64	2	6	8
Personnel Clerks, Exc. Payroll & Timekeeping	84	87	3	19	22
File Clerks	16	17	1	2	3
Order Clerks - Materials, Merch., & Service	107	117	10	21	31
Statistical Clerks	175	184	9	37	46
Customer Service Representatives, Utilities	799	842	43	169	212
Bookkeeping, Accounting, & Auditing Clerks	794	897	103	148	251
Payroll & Timekeeping Clerks	54	57	3	7	10
Billing, Cost & Rate Clerks	185	210	25	35	60
General Office Clerks	793	869	76	161	237
Billing, Posting, & Calculating Machine Opers.	43	45	2	3	5
Computer Operators, Exc. Peripheral Equipment	72	75	3	4	7
Peripheral EDP Equipment Operators	140	148	8	30	38
Data Entry Keyers, Exc. Composing	208	222	14	11	25
All Other Office Machine Operators	16	16	0	3	3
Switchboard Operators	202	224	22	48	70
Directory Assistance Operators	257	271	14	68	82
Central Office Operators	300	316	16	79	95
All Other Communication Equipment Operators	31	34	3	5	8
Mail Clerks	8	8	0	1	1
Messengers	12	13	1	0	1
Dispatchers - Police, Fire, & Ambulance	37	44	7	4	11
Dispatchers - Exc. Police, Fire, & Ambulance	574	652	78	43	121
Production, Planning, & Expediting Clerks	156	167	11	30	41
Transportation Agents	764	911	147	102	249
Meter Readers, Utilities	205	215	10	13	23
Stock Clerks - Stockroom, Warehouse, or Yard	394	432	38	40	78
Traffic, Shipping, & Receiving Clerks	285	323	38	27	65
All Other Material Recording/Scheduling/Dist.	496	526	30	58	88
All Other Clerical & Administrative Support	195	210	15	5	20
SERVICE OCCUPATIONS	1,287	1,453	166	203	369
First Line Supers. & Mgrs./Supers. - Service	48	52	4	7	11
Detectives & Investigators, Exc. Public	10	10	0	0	0
Guards & Watch Guards	205	215	10	10	20
All Other Protective Service Workers	23	26	3	0	3
All Health Service Workers	15	17	2	1	3
Cleaning & Building Service Occupations	307	331	24	47	71
Guides	78	93	15	16	31
Baggage Porters & Bellhops	212	252	40	14	54
All Other Service Workers	389	457	68	108	176
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	141	148	7	15	22

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	18,432	20,925	2,493	1,648	4,141
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	626	666	40	80	120
First Line Managers/Supervisors - Construction Trades & Extraction Workers	141	153	12	12	24
First Line Mgrs./Supers. - Transport. Operatives	288	338	50	54	104
First Line Mgrs./Supers. - Laborers & Helpers	96	113	17	18	35
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	39	41	2	4	6
Precision Inspectors, Testers, & Graders	24	24	0	2	2
Transportation Inspectors	18	20	2	0	2
All Other Inspectors, Testers, & Related	68	78	10	9	19
Machinery Maintenance Mechanics, Water & Power Generation Plants	276	290	14	23	37
Maintenance Repairers, General Utility	271	288	17	18	35
Automotive Mechanics	194	215	21	12	33
Bus & Truck Mechs., & Diesel Eng. Specialists	471	548	77	37	114
Mobile Heavy Equip. Mechanics, Exc. Engines	7	7	0	0	0
Rail Car Repairers	51	60	9	8	17
Aircraft Mechanics	252	299	47	13	60
Aircraft Engine Specialists	60	70	10	1	11
Central Office & PBX Installers & Repairers	695	734	39	56	95
Frame Wirers, Central Office	93	98	5	5	10
Signal or Track Switch Maintainers	118	140	22	11	33
Radio Mechanics	123	129	6	7	13
All Other Communication Equipment Mechanics/ Installers/Repairers	37	37	0	0	0
Telephone & Cable TV Line Installers/Repairers	414	436	22	22	44
Electric Motor, Transformer, & Rel. Repairers	10	10	0	0	0
Electronics Repairers, Commercial & Ind. Equip.	98	103	5	4	9
Powerhouse, Substation, & Relay Electricians	90	95	5	5	10
Electrical Powerline Installers & Repairers	570	601	31	47	78
Station Installers & Repairers, Telephone	249	262	13	13	26
All Other Electrical Mechs./Installers/Repairers	299	328	29	20	49
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	22	23	1	1	2
Precision Instrument Repairers	56	58	2	5	7
Electric Meter Installers & Repairers	91	95	4	4	8
Mechanical Control & Valve Installers & Repairers	20	20	0	0	0
Tire Repairers & Changers	30	35	5	3	8
All Other Mechanics, Installers, & Repairers	417	445	28	28	56
Carpenters	74	83	9	8	17
Electricians	86	90	4	8	12
Painters & Paperhangers - Construction & Maintenance	20	21	1	1	2
Plumbers, Pipefitters, & Steamfitters	53	60	7	3	10
Pipelayers	11	11	0	1	1
Insulation Workers	13	13	0	0	0
All Other Construction Trades Workers	21	24	3	1	4
All Other Construction & Extraction Workers, Exc. Helpers	200	238	38	26	64
Machinists	87	91	4	8	12
All Other Precision Workers	7	8	1	0	1
Painters, Transportation Equipment	17	19	2	1	3
All Other Machine Setters & Set-Up Operators	9	9	0	1	1
All Machine Operators & Tenders	10	11	1	0	1
Welders & Cutters	163	172	9	14	23
All Other Hand Workers	5	5	0	0	0
Water & Liquid Waste Treatment System Opers.	46	47	1	1	2
Power Generating Plant Opers., Exc. Aux. Equip.	75	78	3	9	12
Auxiliary Equipment Operators, Power	76	80	4	9	13
Power Reactor Operators	65	68	3	5	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Power Distributors & Dispatchers	161	169	8	12	20
Stationary Engineers	23	24	1	2	3
All Other Plant & System Operators	128	133	5	13	18
Truck Drivers, Heavy or Tractor Trailer	3,297	3,913	616	244	860
Truck Drivers, Light - Incl. Delivery & Route	1,597	1,895	298	116	414
Bus Drivers	696	829	133	90	223
Taxi Drivers & Chauffeurs	154	183	29	21	50
All Other Motor Vehicle Operators	53	63	10	7	17
Railroad Conductors & Yardmasters	287	342	55	48	103
Locomotive Engineers	287	342	55	64	119
Rail Yard Engineers, Dinkey Opers. & Hostlers	29	34	5	6	11
Locomotive Firers	98	117	19	7	26
Railroad Brake, Signal, & Switch Operators	612	730	118	67	185
All Other Rail Vehicle Opers. & Controllers	11	13	2	1	3
Aircraft Pilots & Flight Engineers	308	367	59	16	75
Service Station Attendants	46	52	6	2	8
All Other Transportation & Related Workers	188	220	32	20	52
Crane & Tower Operators	39	41	2	2	4
Industrial Truck & Tractor Operators	197	221	24	12	36
Operating Engineers	57	59	2	4	6
All Other Transportation & Moving Equip. Operators	16	17	1	0	1
All Material Moving Equipment Operators	66	71	5	4	9
Mechanic & Repairer Helpers	462	485	23	49	72
Helpers - Electricians & Powerline Installers	240	253	13	26	39
Helpers - All Other Construction Trades	151	159	8	16	24
Refuse Collectors	442	527	85	26	111
Vehicle Washers & Equipment Cleaners	95	112	17	9	26
All Other Helpers & Laborers	1,340	1,567	227	146	373
TOTAL OF ALL OCCUPATIONS	40,614	45,305	4,691	4,599	9,290

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineers
 Engineers

All Other Teachers & Instructors
 Teachers & Instructors, Voc. Ed. & Training

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
 Credit Authorizers

SERVICE OCCUPATIONS

All Other Protective Service Workers
 Railroad & Transit Police & Special Agents

All Health Service Workers
 Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians

All Other Service Workers
 Flight Attendants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Communication Equipment Mechanics/Installers/Repairers
 Telegraph & Teletype Installers & Maintainers

All Other Electrical Mechs./Installers/Repairers
 Electrical Installers & Repairers, Transportation Equipment

All Other Mechanics, Installers, & Repairers
 Machinery Maintenance Workers

All Other Construction & Extraction Workers, Exc. Helpers
 Rail-Track Laying & Maintenance Equip. Opers.
 Extraction & Related Workers - Incl. Blasters

All Other Hand Workers
 Hand Working, Inc. Assemblers & Fabricators

All Other Motor Vehicle Operators
 Bus Drivers, School

All Other Rail Vehicle Opers. & Controllers
 Subway & Streetcar Operators

All Other Helpers & Laborers
 Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MOHAVE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	64	65	1	0	1
Transportation, Communications, & Utilities Operations Managers	18	18	0	0	0
General Managers & Top Executives	25	26	1	0	1
All Other Managers & Administrators	21	21	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	128	136	8	5	13
Accountants & Auditors	7	7	0	0	0
All Other Financial Specialists	1	1	0	0	0
All Other Management Support Workers	11	11	0	0	0
Electrical & Electronic Engineers	6	6	0	0	0
All Other Engineers	14	16	2	1	3
Drafters	7	7	0	0	0
All Other Engineering & Related Technicians	19	19	0	0	0
All Teachers & Instructors	1	1	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	15	16	1	3	4
Broadcast News Analysts	6	7	1	0	1
Announcers, Radio & Television	23	27	4	1	5
All Other Professional, Paraprofessional, & Technical Workers	18	18	0	0	0
SALES & RELATED OCCUPATIONS	108	117	9	10	19
First Line Supervisors & Managers - Sales	9	9	0	0	0
Sales Agents, Selected Business Services	29	32	3	3	6
Sales Agents, Advertising	17	20	3	2	5
All Sales Representatives & Salespersons, Service	28	31	3	3	6
Cashiers	19	19	0	2	2
All Other Sales & Related Workers	6	6	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	290	311	21	29	50
First Line Supers.-Clerical & Admin. Support	30	32	2	2	4
Adjustment Clerks	6	6	0	0	0
Bill & Account Collectors	10	11	1	1	2
Secretaries	26	27	1	2	3
Typists	18	21	3	4	7
Customer Service Representatives, Utilities	12	13	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	21	21	0	1	1
Billing, Cost & Rate Clerks	12	12	0	0	0
General Office Clerks	26	27	1	4	5
Data Entry Keyers, Exc. Composing	7	7	0	0	0
All Other Office Machine Operators	3	3	0	0	0
Central Office Operators	47	55	8	12	20
All Other Communication Equipment Operators	2	2	0	0	0
Meter Readers, Utilities	18	20	2	0	2
Stock Clerks - Stockroom, Warehouse, or Yard	11	12	1	0	1
All Other Material Recording/Scheduling/Dist.	11	11	0	0	0
All Other Clerical & Administrative Support	30	31	1	2	3
SERVICE OCCUPATIONS	33	36	3	5	8
All Protective Service Workers	3	3	0	0	0
All Cleaning/Building Service, Exc. Private House	25	28	3	4	7
All Other Service Workers	5	5	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	430	465	35	15	50
First Line Managers/Supervisors - Mechanics/Installers/Repairers	25	26	1	1	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	17	18	1	2	3
All Inspectors, Testers, & Related	4	4	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	5	5	0	0	0
Maintenance Repairers, General Utility	9	9	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MOHAVE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Automotive Mechanics	7	7	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	10	11	1	0	1
Central Office & PBX Installers & Repairers	11	12	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	7	7	0	0	0
Telephone & Cable TV Line Installers/Repairers	34	39	5	1	6
Electrical Powerline Installers & Repairers	29	33	4	1	5
All Other Electrical Mechs./Installers/Repairers	23	26	3	1	4
Gas Appliance Repairers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	20	20	0	0	0
All Construction Trades Workers	18	19	1	0	1
All Precision Workers	1	1	0	0	0
All Hand Workers	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	10	11	1	0	1
All Other Plant & System Operators	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	83	92	9	6	15
All Other Motor Vehicle Operators	27	29	2	2	4
All Transportation & Related Workers	25	27	2	0	2
All Transportation & Moving Equip. Operators	1	1	0	0	0
All Material Moving Equipment Operators	1	1	0	0	0
Mechanic & Repairer Helpers	10	11	1	0	1
Refuse Collectors	22	24	2	0	2
All Other Helpers & Laborers	24	25	1	1	2
TOTAL OF ALL OCCUPATIONS	1,053	1,130	77	64	141

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
Electrical/Electronic Engineering Technicians

All Health Professionals, Paraprofessionals, & Technicians
Emergency Medical Technicians

SALES & RELATED OCCUPATIONS

All Sales Representatives & Salespersons, Service
Travel Agents

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Dispatchers - Exc. Police, Fire, & Ambulance

All Other Clerical & Administrative Support
Reservation & Transportation Ticket Agents

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
Station Installers & Repairers, Telephone

All Other Mechanics, Installers, & Repairers
Aircraft Mechanics

All Construction Trades Workers
Electricians

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route
Taxi Drivers & Chauffeurs

All Transportation & Related Workers
Aircraft Pilots & Flight Engineers
Service Station Attendants

All Other Helpers & Laborers
Helpers - Electricians & Powerline Installers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

NAVAJO COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	63	67	4	2	6
Transportation, Communications, & Utilities Operations Managers	32	35	3	1	4
General Managers & Top Executives	16	17	1	1	2
All Other Managers & Administrators	15	15	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	97	108	11	6	17
All Financial Specialists	1	1	0	0	0
All Management Support Workers	45	52	7	6	13
Electrical & Electronic Engineers	11	12	1	0	1
All Other Engineers	9	10	1	0	1
All Engineering & Related Technicians	12	12	0	0	0
All Health Diagnosing & Treating Practitioners	1	1	0	0	0
Announcers, Radio & Television	13	15	2	0	2
All Other Professional, Paraprofessional, & Technical Workers	5	5	0	0	0
SALES & RELATED OCCUPATIONS	10	10	0	0	0
Sales Agents, Advertising	6	6	0	0	0
All Other Sales & Related Workers	4	4	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	317	351	34	41	75
First Line Supers.-Clerical & Admin. Support	13	14	1	1	2
Bill & Account Collectors	6	6	0	0	0
Secretaries	31	34	3	3	6
Order Clerks - Materials, Merch., & Service	38	44	6	8	14
Statistical Clerks	6	7	1	1	2
Customer Service Representatives, Utilities	24	27	3	4	7
Bookkeeping, Accounting, & Auditing Clerks	17	17	0	0	0
Payroll & Timekeeping Clerks	10	11	1	1	2
General Office Clerks	69	78	9	11	20
All Office Machine Operators	1	1	0	0	0
All Communication Equipment Operators	32	37	5	8	13
Meter Readers, Utilities	12	12	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	22	24	2	1	3
All Other Material Recording/Scheduling/Dist.	23	25	2	2	4
All Other Clerical & Administrative Support	13	14	1	1	2
SERVICE OCCUPATIONS	18	19	1	3	4
All Cleaning/Building Service, Exc. Private House	18	19	1	3	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	691	768	77	45	122
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	69	77	8	8	16
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	21	22	1	1	2
All Inspectors, Testers, & Related	6	6	0	0	0
Automotive Mechanics	8	8	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	9	9	0	0	0
Central Office & PBX Installers & Repairers	19	22	3	1	4
All Other Communication Equipment Mechanics/ Installers/Repairers	6	6	0	0	0
Telephone & Cable TV Line Installers/Repairers	41	47	6	2	8
Powerhouse, Substation, & Relay Electricians	31	35	4	1	5
Electrical Powerline Installers & Repairers	27	31	4	2	6
Station Installers & Repairers, Telephone	25	29	4	1	5
All Other Electrical Mechs./Installers/Repairers	6	6	0	0	0
All Other Mechanics, Installers, & Repairers	60	66	6	3	9
All Construction Trades Workers	18	18	0	0	0
Machinists	13	15	2	1	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

NAVAJO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Hand Workers	25	28	3	2	5
All Plant & System Operators	45	52	7	4	11
Truck Drivers, Heavy or Tractor Trailer	47	51	4	3	7
All Other Motor Vehicle Operators	16	17	1	1	2
All Rail Vehicle Opers. & Controllers	4	4	0	0	0
All Transportation & Related Workers	24	26	2	1	3
All Material Moving Equipment Operators	34	37	3	1	4
All Helpers & Laborers	137	156	19	13	32
TOTAL OF ALL OCCUPATIONS	1,198	1,325	127	97	224

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineers
  Mechanical Engineers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Communication Equipment Operators
  Central Office Operators

All Other Material Recording/Scheduling/Dist.
  Production, Planning, & Expediting Clerks

All Other Clerical & Administrative Support
  Billing, Cost & Rate Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other First Line Managers/Supervisors - Maintenance/Production/Construction
  First Line Mgrs./Supers. - Transport. Operatives

All Other Mechanics, Installers, & Repairers
  Machinery Maintenance Mechanics, Water & Power Generation Plants

All Construction Trades Workers
  Plumbers, Pipefitters, & Steamfitters

All Hand Workers
  Welders & Cutters

All Other Motor Vehicle Operators
  Truck Drivers, Light - Incl. Delivery & Route

All Transportation & Related Workers
  Aircraft Pilots & Flight Engineers
  Service Station Attendants

All Material Moving Equipment Operators
  Industrial Truck & Tractor Operators

All Helpers & Laborers
  Helpers - Electricians & Powerline Installers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	486	509	23	26	49
Financial Managers	32	32	0	0	0
Personnel, Training, & Labor Relations Mgrs.	10	10	0	0	0
Purchasing Managers	5	5	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	39	40	1	3	4
Administrative Services Managers	14	14	0	0	0
Engineering, Mathematical and Natural Sciences Mgrs	16	16	0	1	1
Transportation, Communications, & Utilities Operations Managers	166	175	9	5	14
General Managers & Top Executives	182	195	13	16	29
All Other Managers & Administrators	22	22	0	1	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,035	1,079	44	68	112
Accountants & Auditors	51	52	1	3	4
All Other Financial Specialists	13	13	0	1	1
Purchasing Agents, Exc. Wholesale, Retail, & Farm	15	15	0	1	1
Personnel, Training, & Labor Rel. Specialists	18	18	0	0	0
All Other Management Support Workers	18	18	0	1	1
Electrical & Electronic Engineers	148	155	7	7	14
Mechanical Engineers	9	9	0	0	0
All Other Engineers	26	27	1	1	2
Electrical/Electronic Engineering Technicians	82	85	3	3	6
Mechanical Engineering Techs.	7	7	0	0	0
Drafters	25	25	0	1	1
All Other Engineering & Related Technicians	51	52	1	2	3
All Physical Scientists	1	1	0	0	0
All Life Scientists	3	3	0	0	0
All Physical & Life Science Techs.	1	1	0	0	0
Systems Analysts, Electronic Data Processing	46	47	1	0	1
Computer Programmers	13	13	0	0	0
All Mathematical Scientists	2	2	0	0	0
All Social Scientists	1	1	0	0	0
All Teachers & Instructors	8	8	0	0	0
Emergency Medical Technicians	100	113	13	22	35
All Other Health Professionals, Paraprofessionals & Technicians	1	1	0	0	0
Public Rel. Specialists & Publicity Writers	9	9	0	0	0
Reporters & Correspondents	35	37	2	6	8
Broadcast News Analysts	24	25	1	1	2
Announcers, Radio & Television	147	156	9	10	19
Photographers	21	22	1	2	3
Camera Operators, Television & Motion Picture	32	33	1	1	2
Broadcast Technicians	66	69	3	3	6
Film Editors	14	14	0	2	2
Artists & Related Workers	8	8	0	0	0
Producers, Directors, Actors, & Entertainers	7	7	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	33	33	0	1	1
SALES & RELATED OCCUPATIONS	626	686	60	81	141
First Line Supervisors & Managers - Sales	51	53	2	3	5
Sales Agents, Selected Business Services	140	149	9	18	27
Travel Agents	314	357	43	45	88
Sales Agents, Advertising	66	70	4	8	12
Cashiers	30	31	1	4	5
All Other Sales & Related Workers	25	26	1	3	4
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	2,212	2,337	125	325	450
First Line Supers.-Clerical & Admin. Support	125	132	7	12	19
Credit Managers	6	6	0	1	1
Adjustment Clerks	136	143	7	27	34
Bill & Account Collectors	9	9	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Reservation & Transportation Ticket Agents	71	79	8	8	16
Secretaries	114	119	5	19	24
Stenographers	19	19	0	3	3
Receptionists & Information Clerks	26	27	1	2	3
Typists	76	79	3	17	20
Typists, Word Processing Equipment	19	20	1	2	3
Personnel Clerks, Exc. Payroll & Timekeeping	7	7	0	1	1
Order Clerks - Materials, Merch., & Service	13	13	0	2	2
Statistical Clerks	53	56	3	11	14
Customer Service Representatives, Utilities	212	224	12	44	56
Bookkeeping, Accounting, & Auditing Clerks	150	157	7	22	29
Payroll & Timekeeping Clerks	19	19	0	1	1
Billing, Cost & Rate Clerks	57	61	4	9	13
General Office Clerks	173	183	10	31	41
Billing, Posting, & Calculating Machine Opers.	21	21	0	1	1
Computer Operators, Exc. Peripheral Equipment	23	23	0	0	0
Data Entry Keyers, Exc. Composing	27	28	1	0	1
All Other Office Machine Operators	13	14	1	2	3
Switchboard Operators	26	26	0	4	4
Directory Assistance Operators	66	70	4	17	21
All Other Communication Equipment Operators	153	162	9	40	49
Dispatchers - Exc. Police, Fire, & Ambulance	108	117	9	5	14
Production, Planning, & Expediting Clerks	50	52	2	10	12
Meter Readers, Utilities	79	82	3	4	7
Stock Clerks - Stockroom, Warehouse, or Yard	248	273	25	25	50
Traffic, Shipping, & Receiving Clerks	21	21	0	0	0
All Other Material Recording/Scheduling/Dist.	34	36	2	1	3
All Other Clerical & Administrative Support	58	59	1	4	5
SERVICE OCCUPATIONS	185	199	14	19	33
First Line Supers. & Mgrs./Supers. - Service	5	5	0	0	0
Guards & Watch Guards	10	10	0	0	0
All Other Protective Service Workers	11	12	1	0	1
All Health Service Workers	67	76	9	8	17
Cleaning and Building Service Occupations	40	40	0	3	3
All Other Service Workers	52	56	4	8	12
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	3,639	3,941	302	280	582
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	132	137	5	14	19
First Line Managers/Supervisors - Construction Trades & Extraction Workers	45	47	2	3	5
First Line Mgrs./Supers. - Transport. Operatives	36	39	3	7	10
First Line Mgrs./Supers. - Laborers & Helpers	11	12	1	2	3
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	70	74	4	11	15
Precision Inspectors, Testers, & Graders	18	19	1	1	2
All Other Inspectors, Testers, & Related	12	12	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	14	14	0	0	0
All Other Machinery Maintenance Mechanics	1	1	0	0	0
Maintenance Repairers, General Utility	61	64	3	3	6
Automotive Mechanics	56	58	2	1	3
Bus & Truck Mechs., & Diesel Eng. Specialists	75	84	9	6	15
Mobile Heavy Equip. Mechanics, Exc. Engines	9	9	0	0	0
Aircraft Mechanics	92	103	11	4	15
Central Office & PBX Installers & Repairers	179	190	11	14	25
Frame Wirers, Central Office	30	31	1	1	2
Radio Mechanics	60	63	3	3	6
All Other Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
Telephone & Cable TV Line Installers/Repairers	205	216	11	11	22
Electronics Repairers, Commercial & Ind. Equip.	105	110	5	5	10

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Powerhouse, Substation, & Relay Electricians	48	50	2	2	4
Electrical Powerline Installers & Repairers	271	286	15	20	35
Station Installers & Repairers, Telephone	70	74	4	3	7
All Other Electrical Mechs./Installers/Repairers	25	26	1	1	2
Mechanical Control & Valve Installers & Repairers	24	25	1	1	2
Gas Appliance Repairers	58	61	3	6	9
All Other Mechanics, Installers, & Repairers	53	55	2	3	5
Carpenters	9	9	0	0	0
All Other Construction Trades Workers	51	53	2	2	4
All Other Construction & Extraction Workers, Exc. Helpers	2	2	0	0	0
All Precision Metal Workers	1	1	0	0	0
All Precision Workers	9	9	0	0	0
Boiler Operators & Tenders, Low Pressure	8	8	0	0	0
All Machine Setters & Set-Up Operators	1	1	0	0	0
All Other Machine Operators & Tenders	10	10	0	0	0
Welders & Cutters	25	26	1	2	3
Gas Plant Operators	7	7	0	0	0
Power Generating Plant Opers., Exc. Aux. Equip.	7	7	0	0	0
Power Distributors & Dispatchers	11	11	0	0	0
All Other Plant & System Operators	23	23	0	0	0
Truck Drivers, Heavy or Tractor Trailer	422	476	54	30	84
Truck Drivers, Light - Incl. Delivery & Route	290	327	37	19	56
Bus Drivers	304	344	40	38	78
Taxi Drivers & Chauffeurs	123	138	15	17	32
All Transportation & Related Workers	38	42	4	1	5
All Transportation & Moving Equip. Operators	10	11	1	0	1
All Material Moving Equipment Operators	11	12	1	0	1
Mechanic & Repairer Helpers	161	170	9	16	25
Helpers - All Other Construction Trades	25	26	1	2	3
Vehicle Washers & Equipment Cleaners	30	33	3	1	4
All Other Helpers & Laborers	300	334	34	30	64
TOTAL OF ALL OCCUPATIONS	8,183	8,751	568	799	1,367

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational claasses as follow:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
  Surveying & Mapping Techs.

All Other Health Professionals,
  Paraprofessionals & Technicians
  Health Practitioners, Technicians, & Related

All Other Professional, Paraprofessional,
  & Technical Workers
  Writers & Editors

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Office Machine Operators
  Peripheral EDP Equipment Operators

All Other Communication Equipment Operators
  Central Office Operators

All Other Material Recording/Scheduling/Dist.
  Dispatchers - Police, Fire, & Ambulance
  Transportation Agents

All Other Clerical & Administrative Support
  Travel Clerks
  Correspondence Clerks

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY (CONTD.)

SERVICE OCCUPATIONS

All Other Protective Service Workers
  Railroad & Transit Police & Special Agents

All Health Service Workers
  Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians

All Other Service Workers
  Guides
  Baggage Porters & Bellhops
  Flight Attendants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
  Electric Meter Installers & Repairers
  Tire Repairers & Changers

All Other Construction Trades Workers
  Electricians

All Other Machine Operators & Tenders
  Painters, Transportation Equipment

All Transportation & Related Workers
  Aircraft Pilots & Flight Engineers
  Service Station Attendants

All Material Moving Equipment Operators
  Industrial Truck & Tractor Operators

All Other Helpers & Laborers
  Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PINAL COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	52	54	2	0	2
Transportation, Communications, & Utilities Operations Managers	23	25	2	0	2
General Managers & Top Executives	12	12	0	0	0
All Other Managers & Administrators	17	17	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	71	75	4	5	9
All Financial Specialists	1	1	0	0	0
All Management Support Workers	17	18	1	1	2
All Engineers	3	3	0	0	0
All Engineering & Related Technicians	9	9	0	0	0
All Teachers & Instructors	2	2	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	17	18	1	3	4
Announcers, Radio & Television	16	18	2	1	3
All Other Professional, Paraprofessional, & Technical Workers	6	6	0	0	0
SALES & RELATED OCCUPATIONS	45	47	2	3	5
Sales Agents, Advertising	7	7	0	0	0
All Sales Representatives & Salespersons, Service	19	20	1	1	2
All Other Sales & Related Workers	19	20	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	153	164	11	13	24
First Line Supers.-Clerical & Admin. Support	8	8	0	0	0
Secretaries	8	8	0	0	0
Customer Service Representatives, Utilities	33	37	4	5	9
Bookkeeping, Accounting, & Auditing Clerks	13	13	0	0	0
General Office Clerks	26	29	3	3	6
All Office Machine Operators	3	3	0	0	0
Central Office Operators	7	8	1	1	2
All Other Communication Equipment Operators	10	11	1	1	2
Production, Planning, & Expediting Clerks	11	12	1	2	3
Stock Clerks - Stockroom, Warehouse, or Yard	6	6	0	0	0
All Other Material Recording/Scheduling/Dist.	20	21	1	1	2
All Other Clerical & Administrative Support	8	8	0	0	0
SERVICE OCCUPATIONS	67	72	5	8	13
All Service Supervisors & Managers	3	3	0	0	0
Guards & Watch Guards	1	1	0	0	0
All Other Protective Service Workers	10	11	1	0	1
All Other Food Service Workers	27	29	2	4	6
Cleaning And Building Service Occupations	26	28	2	4	6
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	483	526	43	24	67
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	16	17	1	1	2
First Line Mgrs./Supers. - Transport. Operatives	7	7	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Transportation Inspectors	10	11	1	1	2
Machinery Maintenance Mechanics, Water & Power Generation Plants	24	27	3	1	4
Maintenance Repairers, General Utility	11	12	1	0	1
Aircraft Engine Specialists	28	31	3	1	4
All Communication Equipment Mechanics/ Installers/Repairers	15	15	0	0	0
Electrical Powerline Installers & Repairers	25	29	4	2	6
Station Installers & Repairers, Telephone	6	7	1	0	1
All Other Electrical Mechs./Installers/Repairers	17	18	1	0	1
Gas Appliance Repairers	11	12	1	1	2
All Other Mechanics, Installers, & Repairers	94	102	8	4	12

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PINAL COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Construction Trades Workers	16	17	1	0	1
All Precision Metal Workers	2	2	0	0	0
All Precision Workers	1	1	0	0	0
Painters, Transportation Equipment	22	24	2	2	4
All Other Machine Operators & Tenders	3	3	0	0	0
Welders & Cutters	11	12	1	0	1
All Other Hand Workers	21	23	2	2	4
Power Generating Plant Opers., Exc. Aux. Equip.	14	16	2	1	3
Auxiliary Equipment Operators, Power	9	10	1	1	2
All Other Plant & System Operators	4	4	0	0	0
All Motor Vehicle Operators	22	24	2	1	3
All Rail Vehicle Opers. & Controllers	23	24	1	1	2
All Transportation & Related Workers	12	13	1	1	2
All Material Moving Equipment Operators	6	6	0	0	0
Helpers - Electricians & Powerline Installers	17	20	3	1	4
All Other Helpers & Laborers	33	36	3	3	6
TOTAL OF ALL OCCUPATIONS	871	938	67	53	120

Confidential data for certain occupations have been added to "All" or All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Health Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
Sales Agents, Selected Business Services
Travel Agents
All Other Sales & Related Workers
Cashiers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Communication Equipment Operators
Switchboard Operators

All Other Material Recording/Scheduling/Dist.
Meter Readers, Utilities
Traffic, Shipping, & Receiving Clerks

SERVICE OCCUPATIONS

All Food Service Workers
Food & Beverage Service Occupations

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
Electronics Repairers, Commercial & Ind. Equip.

All Other Mechanics, Installers, & Repairers
Bus & Truck Mechs., & Diesel Eng. Specialists
Aircraft Mechanics

All Other Motor Vehicle Operators
Truck Drivers, Heavy or Tractor Trailer

All Other Material Moving Equipment Operators
Industrial Truck & Tractor Operators

All Other Helpers & Laborers
Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

SANTA CRUZ COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	40	41	1	2	3
Transportation, Communications, & Utilities Operations Managers	7	7	0	0	0
General Managers & Top Executives	25	26	1	2	3
All Other Managers & Administrators	8	8	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	17	18	1	0	1
All Financial Specialists	2	2	0	0	0
All Management Support Workers	2	2	0	0	0
All Engineers	1	1	0	0	0
All Engineering & Related Technicians	2	2	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	10	11	1	0	1
SALES & RELATED OCCUPATIONS	25	26	1	1	2
ALL Sales Representatives & Salespersons, Service	14	15	1	1	2
All Other Sales & Related Workers	11	11	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	224	238	14	24	38
First Line Supers.-Clerical & Admin. Support	11	11	0	1	1
Secretaries	12	12	0	1	1
Order Clerks - Materials, Merch., & Service	38	42	4	8	12
Bookkeeping, Accounting, & Auditing Clerks	18	19	1	2	3
Billing, Cost & Rate Clerks	11	11	0	1	1
General Office Clerks	31	33	2	5	7
All Office Machine Operators	48	53	5	3	8
All Communication Equipment Operators	3	3	0	0	0
Dispatchers - Exc. Police, Fire, & Ambulance	11	12	1	0	1
All Other Material Recording/Scheduling/Dist.	20	20	0	0	0
All Other Clerical & Administrative Support	21	22	1	3	4
SERVICE OCCUPATIONS	5	5	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	228	244	16	13	29
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	9	10	1	0	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Inspectors, Testers, & Related	1	1	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	9	10	1	0	1
All Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
All Electrical Mechs./Installers/Repairers	6	6	0	0	0
All Construction & Extraction Workers, Exc. Helpers	1	1	0	0	0
All Other Mechanics, Installers, & Repairers	19	20	1	0	1
All Hand Workers	1	1	0	0	0
All Plant & System Operators	4	4	0	0	0
Truck Drivers, Heavy or Tractor Trailer	45	49	4	3	7
Bus Drivers, School	22	24	2	2	4
All Other Motor Vehicle Operators	9	9	0	1	1
All Transportation & Related Workers	44	49	5	5	10
All Material Moving Equipment Operators	10	10	0	0	0
All Helpers & Laborers	42	44	2	2	4
TOTAL OF ALL OCCUPATIONS	539	572	33	40	73

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

SANTA CRUZ COUNTY (CONTD.)

Confidential data for certai occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
 Announcers, Radio & Television

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
 Travel Agents

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Office Machine Operators
 Data Entry Keyers, Exc. Composing

All Other Material Recording/Scheduling/Dist.
 Traffic, Shipping, & Receiving Clerks

All Other Clerical & Administrative Support
 Typists

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
 Automotive Mechanics

All Material Moving Equipment Operators
 Industrial Truck & Tractor Operators

All Helpers & Laborers
 Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YAVAPAI COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	57	60	3	1	4
Transportation, Communications, & Utilities Operations Managers	26	29	3	0	3
General Managers & Top Executives	24	24	0	1	1
All Other Managers & Administrators	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	151	168	17	14	31
All Management Support Workers	10	11	1	1	2
Electrical & Electronic Engineers	14	15	1	0	1
Electrical/Electronic Engineering Technicians	13	15	2	0	2
Estimators & Drafters, Utilities	8	9	1	0	1
Surveying & Mapping Techs.	7	8	1	0	1
All Other Engineering & Related Technicians	5	5	0	0	0
All Physical Scientists	1	1	0	0	0
All Health Professionals, Paraprofessionals & Technicians	51	56	5	11	16
Announcers, Radio & Television	34	40	6	2	8
All Other Professional, Paraprofessional, & Technical Workers	8	8	0	0	0
SALES & RELATED OCCUPATIONS	63	69	6	6	12
First Line Supervisors & Managers - Sales	4	4	0	0	0
Sales Agents, Selected Business Services	18	20	2	2	4
Travel Agents	26	28	2	3	5
Sales Agents, Advertising	12	14	2	1	3
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	177	186	9	14	23
First Line Supers.-Clerical & Admin. Support	12	12	0	0	0
Secretaries	18	19	1	2	3
Bookkeeping, Accounting, & Auditing Clerks	21	22	1	1	2
Billing, Cost & Rate Clerks	9	9	0	0	0
General Office Clerks	16	16	0	0	0
All Office Machine Operators	7	7	0	1	1
Central Office Operators	21	24	3	5	8
Dispatchers - Exc. Police, Fire, & Ambulance	8	8	0	0	0
Meter Readers, Utilities	10	11	1	0	1
All Other Material Recording/Scheduling/Dist.	15	15	0	0	0
All Other Clerical & Administrative Support	40	43	3	5	8
SERVICE OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	410	449	39	22	61
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	30	33	3	3	6
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	6	6	0	0	0
All Other Inspectors, Testers, & Related	1	1	0	0	0
Automotive Mechanics	9	9	0	0	0
Central Office & PBX Installers & Repairers	8	9	1	0	1
Radio Mechanics	10	11	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	3	3	0	0	0
Electrical Powerline Installers & Repairers	22	25	3	1	4
Station Installers & Repairers, Telephone	8	9	1	0	1
All Other Electrical Mechs./Installers/Repairers	17	19	2	0	2
Gas Appliance Repairers	10	11	1	1	2
All Other Mechanics, Installers, & Repairers	72	80	8	3	11
All Construction Trades Workers	5	5	0	0	0
All Plant & System Operators	2	2	0	0	0
Truck Drivers, Heavy or Tractor Trailer	45	49	4	3	7
All Other Motor Vehicle Operators	111	123	12	8	20

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YAVAPAI COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Transportation & Related Workers	1	1	0	0	0
All Transportation Moving Equip. Operators	3	3	0	0	0
All Material Moving Equipment Operators	5	5	0	0	0
All Helpers & Laborers	42	45	3	3	6
TOTAL OF ALL OCCUPATIONS	859	933	74	57	131

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Health Professionals, Paraprofessionals & Technicians
Emergency Medical Technicians

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Typists
Customer Service Representatives, Utilities

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All First Line Managers/Supervisors - Maintenance/Production/Construction
First Line Mgrs./Supers. - Transport. Operatives

All Other Electrical Mechs./Installers/Repairers
Telephone & Cable TV Line Installers/Repairers

All Other Mechanics, Installers, & Repairers
Maintenance Repairers, General Utility
Mechanical Control & Valve Installers & Repairers

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

All Helpers & Laborers
Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YUMA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	34	35	1	0	1
Transportation, Communications, & Utilities Operations Managers	16	17	1	0	1
General Managers & Top Executives	9	9	0	0	0
All Other Managers & Administrators	9	9	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	76	80	4	3	7
All Financial Specialists	4	4	0	0	0
All Management Support Workers	5	5	0	0	0
All Engineers	11	11	0	0	0
All Engineering & Related Technicians	8	8	0	0	0
All Teachers & Instructors	5	5	0	1	1
Broadcast News Analysts	5	5	0	0	0
Announcers, Radio & Television	28	32	4	2	6
All Other Professional, Paraprofessional, & Technical Workers	10	10	0	0	0
SALES & RELATED OCCUPATIONS	64	70	6	7	13
Travel Agents	42	46	4	5	9
Sales Agents, Advertising	15	17	2	2	4
All Sales Representatives & Salespersons, Service	3	3	0	0	0
All Other Sales & Related Workers	4	4	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	170	180	10	13	23
First Line Supers.-Clerical & Admin. Support	11	11	0	0	0
Secretaries	16	16	0	1	1
Customer Service Representatives, Utilities	39	45	6	7	13
Bookkeeping, Accounting, & Auditing Clerks	24	25	1	1	2
General Office Clerks	23	24	1	2	3
All Office Machine Operators	5	5	0	0	0
Central Office Operators	7	8	1	1	0
All Other Communication Equipment Operators	4	4	0	0	2
Dispatchers - Exc. Police, Fire, & Ambulance	8	8	0	0	0
Meter Readers, Utilities	6	7	1	0	1
Stock Clerks - Stockroom, Warehouse, or Yard	11	11	0	0	0
All Other Material Recording/Scheduling/Dist.	7	7	0	0	0
All Other Clerical & Administrative Support	9	9	0	1	1
SERVICE OCCUPATIONS	23	24	1	2	3
All Service Supervisors & Managers	1	1	0	0	0
All Cleaning/Building Service, Exc. Private House	12	13	1	1	2
All Other Service Workers	10	10	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	430	468	38	15	53
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	24	26	2	2	4
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	12	13	1	0	1
Aircraft Mechanics	17	18	1	0	1
Central Office & PBX Installers & Repairers	6	7	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	14	15	1	0	1
Electrical Powerline Installers & Repairers	29	34	5	1	6
Station Installers & Repairers, Telephone	8	9	1	0	1
All Other Electrical Mechs./Installers/Repairers	28	31	3	1	4
Electric Meter Installers & Repairers	6	7	1	0	1
All Other Mechanics, Installers, & Repairers	24	26	2	0	2
All Construction & Extraction Workers, Exc. Helpers	4	4	0	0	0
All Precision Workers	7	7	0	0	0
All Hand Workers	1	1	0	0	0
All Plant & System Operators	17	17	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Truck Drivers, Heavy or Tractor Trailer	78	86	8	5	13
All Other Motor Vehicle Operators	19	20	1	1	2
All Transportation & Related Workers	26	28	2	1	3
All Transportation & Moving Equip. Operators	14	15	1	0	1
Mechanic & Repairer Helpers	17	19	2	1	3
All Freight & Material Movers, Hand	14	15	1	0	1
All Other Helpers & Laborers	62	67	5	3	8
TOTAL OF ALL OCCUPATIONS	797	857	60	40	100

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineers
Electrical & Electronic Engineers

All Engineering & Related Technicians
Estimators & Drafters, Utilities

All Teachers & Instructors
Teachers & Instructors, Voc. Ed. & Training

All Other Professional, Paraprofessional, & Technical Workers
Broadcast Technicians

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Traffic, Shipping, & Receiving Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
Telephone & Cable TV Line Installers/Repairers

All Other Mechanics, Installers, & Repairers
Machinery Maintenance Mechanics, Water & Power Generation Plants

All Plant & System Operators
Auxiliary Equipment Operators, Power
Power Reactor Operators

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

All Transportation & Related Workers
Aircraft Pilots & Flight Engineers

All Transportation & Moving Equip. Operators
Industrial Truck & Tractor Operators
Operating Engineers

All Freight & Material Movers, Hand
Refuse Collectors

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for the transportation, communications, and public utilities industry were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing 4-249 employees, and all establishments having 250 or more employees were surveyed. The entire sample was composed of 758 firms with a usable response rate of 91 percent. Firms responding represented 95 percent of the industry's employment in Arizona.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total industry employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

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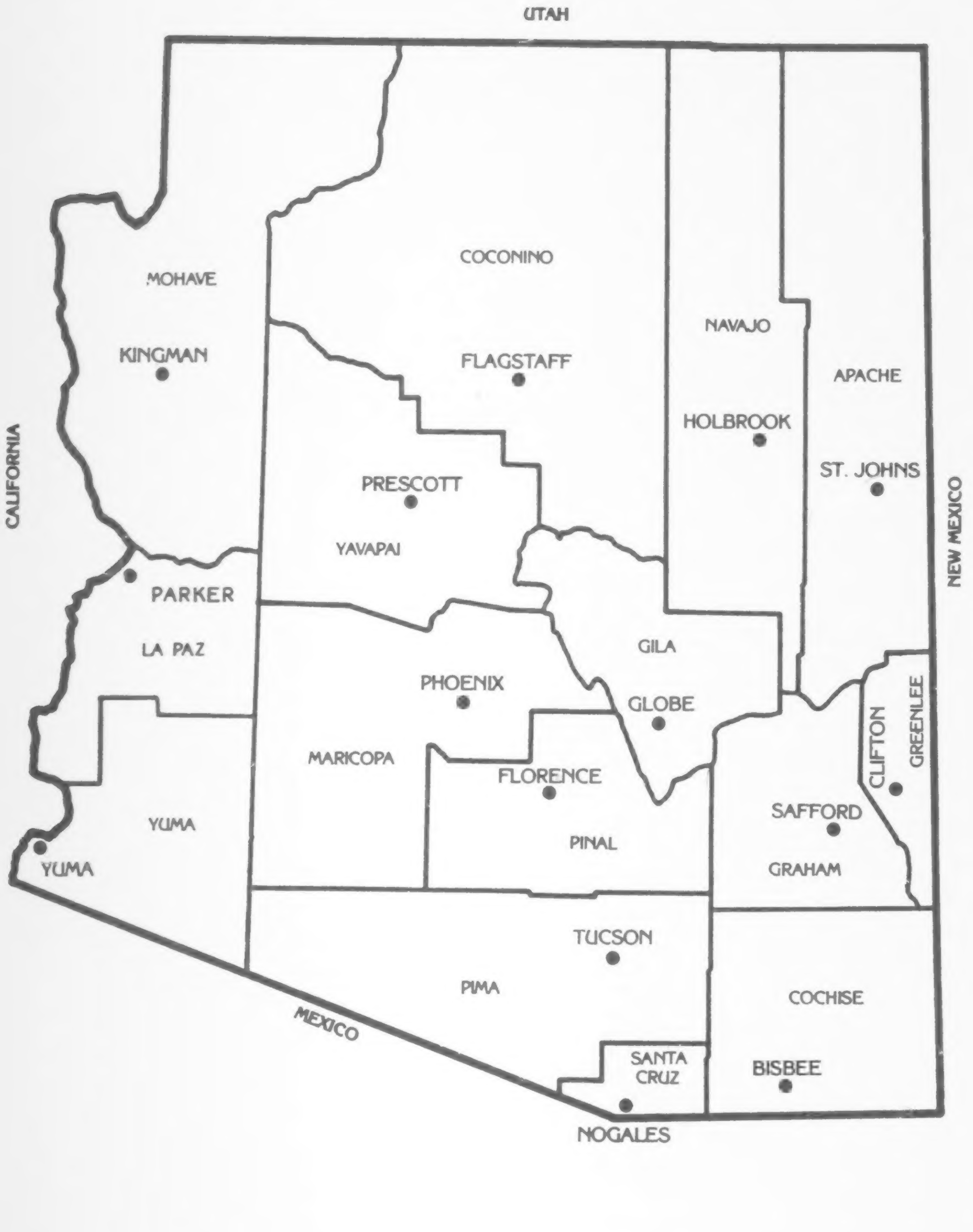
Arizona Occupational Profile

A Labor Market Information Publication of the Department of Economic Security

Educational Services

Map of Arizona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PINAL
CLIFTON
GREENLEE
SAFFORD
GRAHAM
YUMA
YUMA
TUCSON
PIMA
COCHISE
SANTA CRUZ
BISBEE
NOGALES

OCCUPATIONAL PROFILE

The value of current occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This *Occupational Profile* is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey which requires the cooperation of the Arizona business community is used to collect employment data by county for over 700 occupations in Arizona. Current employment in the various occupations is then determined and an occupational outlook is formulated. *The Occupational Profiles* contain the survey findings and examine, individually, the following industries of Arizona:

Construction
Educational Services
Finance, Insurance, and Real Estate
Government
Hospitals
Lodging
Manufacturing
Mining
Services
Trade
Transportation, Communications, and Public Utilities

Questions, requests, and comments should be direted to:

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Phoenix, Arizona 85005-6123

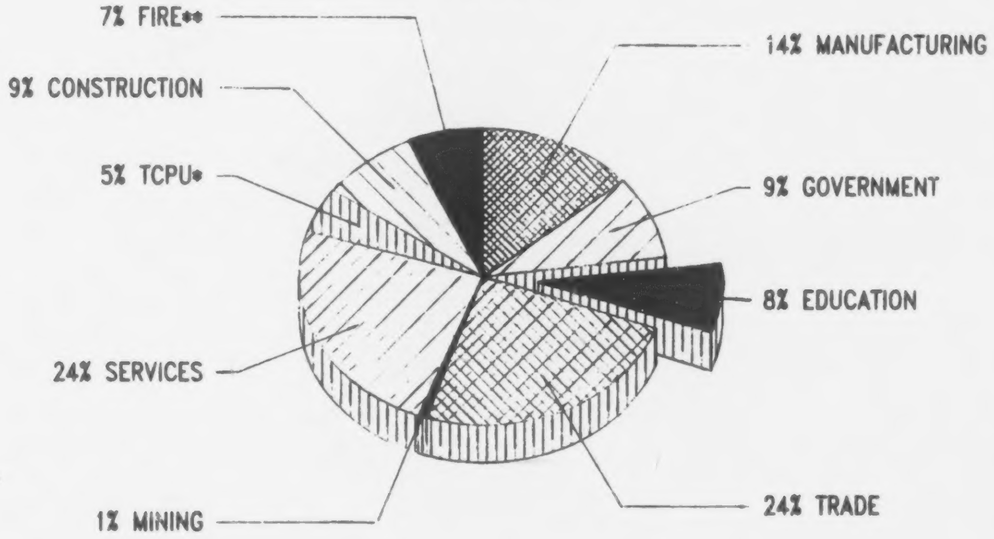
INDUSTRY INFORMATION

The educational services industry consists of establishments providing academic or technical instruction including correspondence schools, commercial and trade schools, and libraries. This study covers establishments found under industry-group code 82 of the Standard Industrial Classification (SIC) Manual including elementary and secondary schools; colleges, universities, and technical schools; libraries and information centers; and correspondence and vocational schools. Not included are beauty schools, barber colleges, and establishments engaged in providing job training and vocational rehabilitation services.

INDUSTRY CHARACTERISTICS

Providers of educational services employ nearly one of every ten workers in Arizona, making this industry the sixth-largest employer in the state--trailing trade, services, manufacturing, construction, and government. Nearly 93 percent of the almost 103,000 educational services workers are government employees representing about one-half of the government's total work force in Arizona. The remaining 7 percent of educational services workers are employed by private schools.

ARIZONA NONAGRICULTURAL EMPLOYMENT 1986

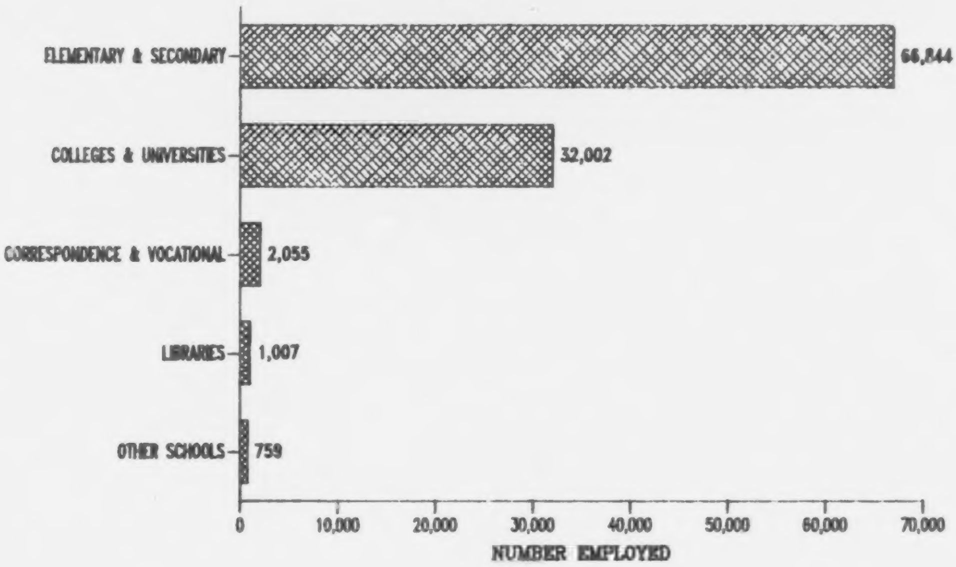


* TCPU = TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
**FIRE = FINANCE, INSURANCE, AND REAL ESTATE

Elementary and secondary schools employ the largest number of workers in educational services. Of the nearly 103,000 educational service workers in 1986, elementary and secondary schools employed 67,000 or 65 percent, colleges and universities employed 32,000 or 31 percent, and the remaining 4 percent worked for providers of miscellaneous educational services, i.e., libraries, vocational schools, and correspondence schools.

About 91 percent of those working in colleges and universities and 97 percent in elementary and secondary schools are employed by state and local governments. In miscellaneous educational services, however, most of the employees work for private schools. Predominant in this category are the state's 100 vocational schools, which employed 2,050 in 1986. These schools, primarily engaged in offering specialized trade or commercial courses rather than academic courses, included three correspondence schools, seven data processing schools, and 13 business and secretarial schools.

ARIZONA EMPLOYMENT IN EDUCATIONAL SERVICES
1986



INDUSTRY TRENDS

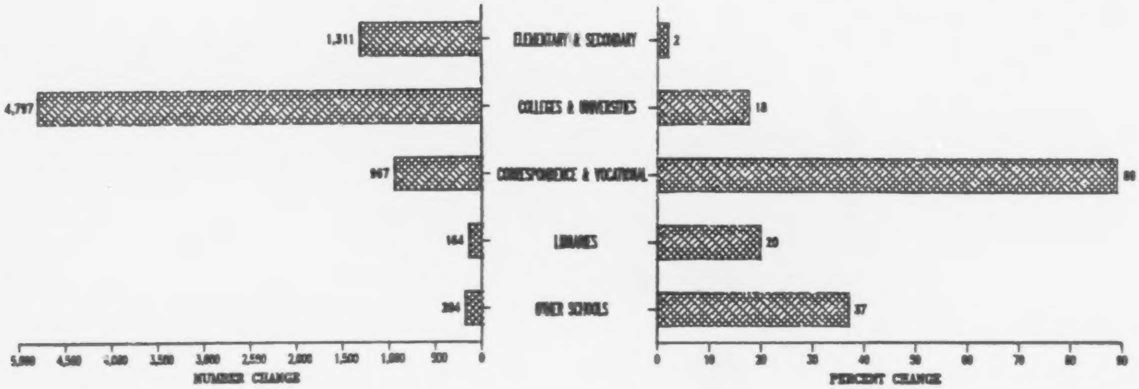
Demographics, for the most part, are the driving force behind the demand for educational services. Arizona, with its unique population growth, has experienced a sizeable employment increase in educational services, unlike the rest of the nation. In fact, when the nation's school enrollment was declining during the 1970s, Arizona's educational services employment was increasing faster than the average for all industries in the state. Since 1980, however, the expansion of educational services in Arizona has continued at a more moderate rate. Nevertheless, the growth of elementary and secondary schools, colleges and universities, and vocational and technical schools continues to reflect the age and geographic distribution of the population.

Elementary and secondary schools have provided 18 percent of all new jobs in educational services since 1980. Most of these job opportunities were in the nonmetropolitan counties, led by expansion in Apache and Navajo. In Maricopa County, employment in elementary and secondary schools has remained stable, whereas Pima County registered gains of 2.6 percent and the "balance of state" had a 7 percent increase, adding 1,200 new jobs.

Colleges and universities in Arizona provided 64 percent or nearly 4,800 new jobs in educational services between 1980 and 1986. While most of the jobs in colleges and universities materialized in Maricopa and Pima counties, the "balance of state" contributed one out of every ten new jobs during the period.

EMPLOYMENT CHANGE IN EDUCATIONAL SERVICES

1980 - 1986



Employment increased by nearly 90 percent in correspondence and vocational schools between 1980 and 1986. Leading this expansion were business and secretarial schools in Maricopa County where employment more than quadrupled in the six years totaling 427 by 1986.

Educational services employment in Arizona will continue to experience modest gains through the end of the decade. Compared to an increase of 24 percent for all industries, educational services is expected to expand 12 percent between 1985 and 1989. Along with an increasing population, a trend toward lower pupil-to-teacher ratios will likely continue to promote steady employment growth in elementary and secondary schools with annual increases expected to average 3 percent through 1989.

In the near term, elementary schools will increase payrolls faster than secondary schools, mainly to accommodate children of the baby boomers. In the mid-1990s, however, secondary schools will expand more rapidly to meet the needs of the advancing wave of students. Additionally, the trend toward higher educational achievement is expected to continue bolstering employment in Arizona's colleges and universities. The rising costs of attending universities, however, will likely constrain employment expansion there, whereas growing enrollments in community colleges and technical schools will prompt employment increases at these institutions.

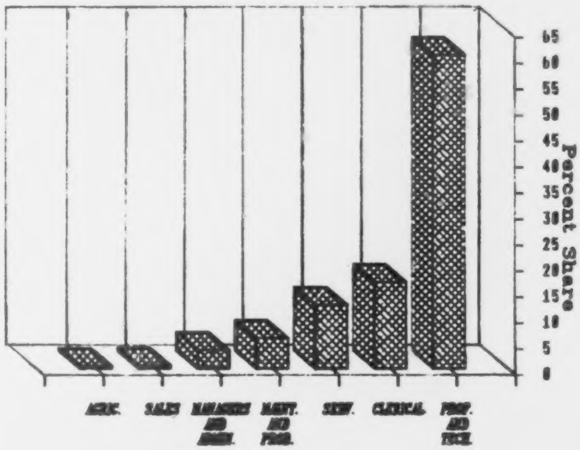
●●●

OCCUPATIONAL INFORMATION

Workers in educational services are employed in activities that require a variety of occupational skills. Along with teaching professionals is a mix of accountants, registered nurses, computer programmers, carpenters, and other occupations not often associated with schools. Support services in the areas of administration, maintenance, food services, and transportation are required by nearly all schools.

Professional and technical workers account for more than 60 percent of the employment in educational services. Comprising the bulk of these workers are nearly 55,000 teachers and instructors who account for over half of the industry's total employment. Also predominant in this category are 965 vocational and educational counselors, 833 librarians, and 689 teacher aides.

MAJOR OCCUPATIONAL CATEGORIES
EDUCATIONAL SERVICES



Clerical workers constitute the second largest occupational group with employment dominated by 6,402 teacher aides and educational assistants, 4,406 secretaries, and 1,766 general office clerks. Service workers who provide cleaning, food, and protection services round out the industry's three largest occupational categories. Leading in this category are 4,686 janitors, cleaners, and housekeeping personnel, followed by 1,552 lunchroom and cafeteria attendants, and 1,100 food preparation workers.

In Arizona, employment in educational services is expected to expand by over 12,000 between 1985 and 1989. In addition, 17,076 openings will be created as a result of workers leaving the labor force. Positions for elementary and secondary teachers will account for nearly one-third of these openings with openings for elementary school teachers outpacing those for secondary school more than two to one. While many openings for elementary school teachers will reflect enrollment increases, the majority will result from the need to replace teachers who leave the labor force (separations) or leave one job to take another (turnover).

OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN ARIZONA'S EDUCATIONAL SERVICES INDUSTRY

	EMPLOYMENT April 1985	JOB OPENINGS* 1985-1989
Teachers, Elementary School	19,727	6,356
Teachers, Secondary School	10,851	2,717
Teacher Aides and Educational Assistants, Clerical	6,402	2,057
Teachers and Instructors, Vocational Education and Training	5,392	1,434
Janitors and Cleaners, Excluding Maids and Housekeeping	4,686	1,258
Secretaries	4,406	1,596
Teachers, Special Education	3,840	1,228
Graduate Assistants, Teaching	3,299	684
All Other Postsecondary Teachers	2,811	692
Bus Drivers, School	2,624	610
Education Administrators	2,414	626
All Other Teachers and Instructors	1,874	607
General Office Clerks	1,766	584
Counter Attendants--Lunchroom, Coffee Shop, and Cafeteria	1,552	533
Food Preparation Workers	1,100	330
Teachers, Preschool and Kindergarten	990	307
Vocational and Educational Counselors	965	232
Life Science Teachers	965	179
All Other Protective Service Workers	954	221
All Other Paraprofessionals and Technicians	933	215
Social Science Teachers	915	169
First Line Supervisors and Managers--Service	888	271
All Other Clerical and Administrative Support Workers	862	100
All Other Service Workers	846	264
Librarians, Professional	833	277
Maintenance Repairers, General Utility	826	155
Bookkeeping, Accounting, and Auditing Clerks	825	249
Helpers, Laborers, and Material Movers, Hand	796	155
All Other Management Support Workers	790	159
Library Assistants and Bookmobile Drivers	785	160
Cooks, Institution or Cafeteria	748	208
Registered Nurses	723	232
Teacher Aides, Paraprofessional	689	145
English and Foreign Language Teachers	688	155
Instructors, Nonvocational Education	648	129

* Does not include turnover.

The greatest relative demand for elementary and secondary teachers will be in nonmetropolitan counties, but over one-half of the job opportunities for these teachers will be in Maricopa County.

Nationally, employment of secondary school teachers is expected to decline throughout the 1980s, but in-migration will ensure at least moderate growth in Arizona. Secondary school teachers are increasingly being hired by elementary schools in the state to teach upper grade levels. Demand for secondary school teachers also varies by field of specialization with those in scientific and technical fields generally facing better employment prospects. Demand is further heightened when a number of secondary school teachers are lured to private industry by more lucrative salaries.

Employment of teachers in colleges and universities is expected to decline nationwide through the mid-1990s as enrollments decline. In Arizona, however, the traditional college-age population is projected to increase with only slight declines in the early 1990s. In addition, growing enrollments at community colleges, which often emphasize curriculums for working adults, are increasing the employment opportunities for teachers at these institutions.

As in most industries, clerical and administrative support occupations will account for a large number of job openings. In this category, demand for teacher aides and educational assistants, secretaries, and general office clerks will remain high. Service occupations employ 13,251 and represent just over 12 percent of all employment in educational services. Janitors and cleaners are the most prominent in this category and will account for 1,439 openings between 1985 and 1989. Many opportunities also will be available for counter attendants, food preparation workers, cooks, and service supervisors.

Maintenance and production occupations will provide over 1,200 job opportunities between 1985 and 1989, led by 610 openings for bus drivers. Other opportunities will be available for helpers, laborers, material handlers, and maintenance repairers.

Planning, directing, and organizing educational services activities are 3,860 managers and administrators. Two-thirds are education administrators, with the balance divided among various administrative specialties. Although moderate employment growth is expected in these positions, a large number of teachers and others with graduate degrees in education or educational administration will make competition keen.

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OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state.

When using the data, please note the following:

1. Educational services employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2. The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3. Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4. The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.